

СПИСОК ВИКОРИСТАНИХ ДЖЕРЕЛ

1. Othman M. Green fuel as alternative fuel for diesel engine: A review / M. Othman, A. Adam, R. Mamat // *Renewable and Sustainable Energy Reviews*. – 2017. – № 80. – P. 694–709.
2. Мусина Д. Р. Обзор мирового рынка углеводородов / Д. Р. Мусина, А. Е. Тасмуханова // "Нефтегазовое дело". – 2016. – № 6. – С. 226–247.
3. Salvi B. L. Alternative fuels for transportation vehicles: a technical review / B. L. Salvi, K. A. Subramanian, N. L. Panwar // *Renewable and sustainable energy reviews*. – 2013. – № 25. – P. 404–419.
4. Sangeeta Alternative fuels: an overview of current trends and scope for future / Sangeeta, S. Moka, M. Pande [et al] // *Renewable and sustainable energy reviews*. – 2014. – № 32. – P. 697–712.
5. Introduction of Alternative Fuels / A. Singh, A. Agarwal, R. Agarwal [et al] // *Prospects of Alternative Transportation Fuels*. – 2017. – P. 3–6.
6. Effects of alternative fuels on the combustion characteristics and emission products from diesel engines: A review / P. Geng, E. Cao, Q. Tan, L. Wei // *Renewable and Sustainable Energy Reviews*. – 2017. – № 71. – P. 523–534.
7. Chakma P. A Study on Diesel Engine Characterizati on Using Alternative Fuel and Its Blends / P. Chakma, H. Cho // *International Journal of Applied Engineering Research*. – 2017. – № 12. – P. 5910–5915.
8. Permpool N. Environmental and energy assessment of alternative fuels for diesel in Thailand / N. Permpool, S. Gheewala // *Journal of Cleaner Production*. – 2017. – № 142. – P. 1176–1182.
9. Shindell D. Climate, health, agricultural and economic impacts of tighter vehicle-emission standards / D. Shindell, G. Faluvegi, M. Walsh [et al] // *Nature Climate Change*. – 2011. – № 1. – P. 59–66.
10. Swain R. K. Water-in-Diesel Emulsion – An Eco-Friendly Fuel for Stationary Diesel Engines / R. K. Swain, S. Panda // *International Journal of Scientific & Engineering Research*. – 2013. – № 4. – P. 142–146.

11. Bittle J. A. Interesting behaviour of biodiesel ignition delay and combustion duration / J. A. Bittle, B. M. Knight, T. J. Jacobs // *Energy & Fuels*. – 2010. – № 24. – P. 4166–4177.
12. Fernando S. NO_x reduction from biodiesel fuels / S. Fernando, C. Hall, S. Jha // *Energy & Fuels*. – 2005. – № 20. – P. 376–382.
13. An experimental investigation on spray, ignition and combustion characteristics of biodiesels / X. Wang, Z. Huang, O. A. Kutu, W. Zhang // *Proc. Combust. Inst.*. – 2011. – № 33. – P. 2071–2077.
14. Patil H. Biodiesel-water emulsions: An alternative approach for conventional fuels / H. Patil, J. Waghmare // *International Research Journal of Engineering and Technology*. – 2017. – № 4. – P. 1200–1204.
15. Zhang J. Soot measurements for diesel and biodiesel spray combustion under high temperature highly diluted ambient conditions / J. Zhang, W. Jing, W. L. Roberts, T. Fang // *Fuel*. – 2014. – № 135. – P. 340–351.
16. Xue J. Effect of biodiesel on engine performances and emissions / J. Xue, T. E. Grift, A. C. Hansen // *Renewable and Sustainable Energy Reviews*. – 2011. – № 15. – P. 1098–1116.
17. Wang Z. Experimental investigation on spray, evaporation and combustion characteristics of ethanol-diesel, water-emulsified diesel and neat diesel fuels / Z. Wang, S. Wu, Y. Huang [et al] // *Fuel*. – 2018. – № 231. – P. 438–448.
18. Britto R. F. Experimental analysis of a diesel engine operating in Diesel–Ethanol Dual-Fuel mode / R. F. Britto, C. A. Martins // *Fuel*. – 2014. – № 134. – P. 140–150.
19. Visualization research on spray atomization, evaporation and combustion processes of ethanol–diesel blend under LTC conditions / S. Huang, P. Deng, R. Huang [et al] // *Energy Convers. Manag.* – 2015. – № 106. – P. 911–920.
20. Spray and evaporation characteristics of ethanol and gasoline direct injection in non-evaporating, transition and flash-boiling conditions / Y. Huang, S. Huang, R. Huang, G. Hong // *Energy Convers. Manag.*. – 2016. – № 108. – P. 68–77.

21. Chakma P. A Study on Diesel Engine Characterization Using Alternative Fuel and Its Blends / P. Chakma, H. Cho // International Journal of Applied Engineering Research. – 2017. – № 12. – P. 5910–5915.
22. An experimental investigation of the breakup characteristics of secondary atomization of emulsified fuel droplet / H. Watanabe, Y. Suzuki, T. Harada [et al] // Energy. – 2010. – № 35. – P. 806–813.
23. Evaporation and Ignition Characteristics of Water Emulsified Diesel under Conventional and Low Temperature Combustion Conditions / Z. Wang, S. Wu, Y. Huang [et al] // Energies. – 2017. – № 10. – P. 1109.
24. Ghannam M. Stability behavior of water-in-diesel fuel emulsion / M. Ghannam, M. Selim // Petroleum Science and Technology. – 2009. – № 27. – P. 396–411.
25. Николаенко А. В., Шкрабак В. С., Салова Т. Ю., Горбатенко А. И. Снижение выбросов оксидов азота тракторных дизелей путем организации рабочего процесса на водо-топливной смеси // Двигателестроение. – 2000. – №1. – С. 35-37.
26. A new modified low-energy emulsification method for preparation of water-in-diesel fuel nanoemulsion as alternative fuel / M. Noor El-Din, M. Mishrif, R. Morsi [et al] // Journal of Dispersion Science and Technology. – 2017. – № 38. – P. 248–255.
27. Imazu H. Physical Properties and Combustion Characteristics of Emulsion Fuels of Water/Diesel Fuel and Water/Diesel Fuel/Vegetable Oil Prepared by Ultrasonication / H. Imazu, Y. Kojima // Journal of the Japan Petroleum Institute. – 2013. – № 56. – P. 52–57.
28. Vellaiyan S. Formulation of stable water-in-diesel emulsion fuel and investigation of its properties / S. Vellaiyan // Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. – 2016. – № 38. – P. 2575–2581.
29. Effect of ambient pressure on micro-explosion of an emulsion droplet evaporating on a hot surface / H. Tanaka, T. Kadota, D. Segawa [et al] // JSME International Journal. – 2006. – № 49. – P. 1345–1350.

30. Lif A. Water-in-diesel emulsions and related systems / A. Lif, K. Holmberg // *Advances in Colloid and Interface Science*. – 2006. – № 123. – P. 231–239.
31. Visualization study for the effects of oxygen concentration on combustion characteristics of water-emulsified diesel / Z. Wang, X. Chen, S. Huang [et al] // *Fuel*. – 2016. – № 177. – P. 226–234.
32. Influence of water emulsified diesel & oxygen-enriched air on diesel engine NO-smoke emissions and combustion characteristics / W. Zhang, Z. Chen, Y. Shen [et al] // *Energy*. – 2013. – № 55. – P. 369–377.
33. Bertola A. Influence of water-diesel fuel emulsions and EGR on combustion and exhaust emissions of heavy duty DI-diesel engines equipped with common rail injection system / A. Bertola, R. Li, K. Boulouchos // *SAE Pap.*. – 2003.
34. Study on the spray and combustion characteristics of water-emulsified diesel / M. Huo, S. Lin, H. Liu, C. Lee // *Fuel*. – 2014. – № 123. – P. 218–229.
35. Performance, combustion, and emissions in a diesel engine operated with fuel-in-water emulsions based on lignin / D. Ogunkoya, S. Li, O. Rojas, T. Fang // *Appl. Energy*. – 2015. – № 154. – P. 851–861.
36. Jankowski A. Influence of chosen parameters of water fuel micro emulsion on combustion processes, emission level of nitrogen oxides and fuel consumption of CI engine / A. Jankowski // *Journal of KONES Powertrain and Transport*. – 2011. – № 18. – P. 593–600.
37. Remigious P. An Experimental Investigation into Chosen Parameters of Diesel-Water Emulsion on Combustion Processes / P. Remigious, A. Kandasamy, P. Rajaram // *Journal of Atmospheric Chemistry*. – 2013. – P. 1–6.
38. Tauzia X. Experimental study of inlet manifold water injection on combustion and emissions of an automotive direct injection Diesel engine / X. Tauzia, A. Maiboom, S. R. Shah // *Energy*. – 2010. – № 35. – P. 3628–3639.
39. Characterisation of the injection-combustion process in a common rail D.I. Diesel engine running with fuel-water emulsion / J. Desantes, J. Arre`gle, S. Ruiz [et al] // *Proceedings of EAEC Congress*. – 1999. – P. 59–68.

40. Harbach J. Effects of emulsified fuel on combustion in a four-stroke Diesel engine. / J. Harbach, V. Agosta // *Ship Res.* – 1991. – № 35. – P. 356–363.
41. Ocampo-Barrera R. An experimental study of the water content on combustion of heavy fuel oil/water emulsion droplets / R. Ocampo-Barrera, A. Villasenor, A. Diego-Marian // *Combustion & Flame.* – 2001. – № 126. – P. 1845–1855.
42. Park J. Experimental study on the combustion characteristics of emulsified Diesel in a rapid compression and expansion machine / J. Park, K. Huh, K. Park // *Proc Inst Mech Eng.* – 2000. – № 214. – P. 579–586.
43. Selim M. Combustion study of stabilized water-in-diesel fuel emulsion / M. Selim, M. Ghannam // *Energy Sources, Part A Recover Util. Environ. Eff..* – 2009. – № 32. – P. 256–274.
44. Combustion performance and emission analysis of diesel engine fuelled with water-in-diesel emulsion fuel made from low-grade diesel fuel / A. M. Ithnin, M. A. Ahmad, M. A. Abu Bakar [et al] // *Energy Conversion and Management.* – 2015. – № 90. – P. 375–382.
45. Ghojel J. Heat release model for the combustion of diesel oil emulsions in DI diesel engines / J. Ghojel, D. Honnery // *Applied Thermal Engineering.* – 2005. – № 25. – P. 2072–2085.
46. Kadota T. Recent advances in the combustion of water fuel emulsion / T. Kadota,, H. Yamasaki // *Progress in Energy and Combustion Science.* – 2002. – № 28. – P. 385–404.
47. Samec N. Numerical and experimental study of water/oil emulsified fuel combustion in a diesel engine / N. Samec, B. Kegl, R. Dibble // *Fuel.* – 2002. – № 81. – P. 2035–2044.
48. The characteristic of spray using diesel water emulsified fuel in a diesel engine / S. Park, S. Woo, H. Kim, K. Lee // *Appl. Energy.* – 2016. – № 176. – P. 209–220.

49. Nazha M. The use of emulsion, water induction and EGR for controlling diesel engine emissions / M. Nazha, H. Rajakaruna, S. Wagstaff // SAE Pap.. – 2001.
50. Ramachandra R. Performance and Emission of Emulsified Fuel in a low Speed Diesel Engine / R. Ramachandra // IJSRST. – 2017. – № 3. – P. 640–645.
51. Kannan K. NO_x and HC emission control using water emulsified diesel in single cylinder diesel engine / K. Kannan, M. Udayakumar // ARPN Journal of Engineering and Applied Sciences. – 2009. – № 4.
52. Sudrajad A. Experimental study of exhaust emissions of W/O emulsion fuel in DI single cylinder diesel engine / A. Sudrajad, F. Hirotsugu, I. Ali // Modern Applied Science. – 2011. – № 5. – P. 73–79.
53. Tran X. T. Impact of introducing water into the combustion chamber of diesel engines on emissions-an overview / X. T. Tran, J. Ghajel // Proceedings of the 5th Asia pacific Conference on Combustion. – 2005.
54. Impact of Emulsified Water/Diesel Mixture on Engine Performance and Environment / O. Badran, S. Emeish, M. Abu-Zaid [et al] // Int. J. of Thermal & Environmental Engineering. – 2011. – № 3. – P. 1–7.
55. Emission control by using water emulsified diesel in single cylinder diesel engine / P. S. Kumar, B. Venkatesh, B. Rajeswari [et al] // International Journal of Advances in Engineering & Technology. – 2013. – № 5. – P. 263–273.
56. Tsukahara M. Reduction of NO_x, smoke, BSFC, and maximum combustion pressure by low compression ratios in a Diesel engine fuelled by emulsified fuel / M. Tsukahara, Y. Yoshimoto // SAE paper 920464. – 1992.
57. Park J. Reduction of NO_x, smoke and brake specific fuel consumption with optimal injection timing and emulsion ratio of water-emulsified Diesel. / J. Park, K. Huh, J. Lee // Proc Inst Mech Eng. – 2001. – № 215. – P. 83–93.
58. Dubey M. Impact of Emulsified Water/Diesel Mixture on Engine Performance and Environment / M. Dubey, V. Saxena // International Journal of Engineering Trends and Technology. – 2016. – № 36. – P. 461–466.

59. Particle size distributions and OC, EC emissions from a diesel engine with the application of in-cylinder emission control strategies / X. Li., Z. Xu, C. Guan, Z. Huang // *Fuel*. – 2014. – № 121. – P. 20–26.
60. Current Trends in Water-in-Diesel Emulsion as a Fuel / M. Y. Khan, Z. Abdul Karim, F. Y. Hagos [et al] // *The Scientific World Journal*. – 2014. – P. 232–247.
61. Charlton S. Developing Diesel Engines to Meet Ultra-low Emission Standards / S. Charlton // *SAE Technical Paper 2005-01-3628*. – 2005. – P. 42.
62. Walter K. Diesel engine development in view of reduced emission standards / Knecht Walter // *Energy*. – 2008. – № 33. – P. 264–271.
63. Johnson T. Diesel Emission Control in Review / Timothy V. Johnson // *SAE International Journal of Fuels and Lubricants*. – 2009. – № 1. – P. 68–81.
64. Experimental investigation of the performance and emission characteristics of direct injection diesel engine by water emulsion diesel under varying engine load condition / M. Fahd, Y. Wenming, P. Lee [et al] // *Appl. Energy*. – 2013. – № 102. – P. 1042–1049.
65. Diesel engine performance and emission evaluation using emulsified fuels stabilized by conventional and gemini surfactants / M. Nadeem, C. Rangkuti, K. Anuar [et al] // *Fuel*. – 2006. – № 85. – P. 2111–2119.
66. Gopidesi R. K. Applications of Emulsions as an Alternate Fuel for Bi-fuel engines – Review / R. K. Gopidesi, S. Premkartikkumar // *Proceedings of Global Conference on Advances in Science, Technology and Management*. – 2017. – P. 146–149.
67. Sakhrieh A. Experimental study of using emulsified diesel fuel on the performance and pollutants emitted from four stroke water cooled diesel engine / A. Sakhrieh, R. Fouad, J. Yamina // *AIP Conference Proceedings*. – 2009. – № 144.
68. Alternative fuels composed by blends of nonionic surfactant with diesel and water: engine performance and emissions / A. A. Dantas Neto, M. R. Fernandes,

E. L. Barros Neto [et al] // Brazilian Journal of Chemical Engineering. – 2011. – № 28. – P. 521–531.

69. Ghojel J. Performance, emissions and heat release characteristics of direct injection diesel engine operating on diesel oil emulsion / J. Ghojel, D. Honnery, K. Al-Khaleefi // Applied Thermal Engineering. – 2006. – № 26. – P. 2132–2141.

70. Effects of Water-Diesel Emulsions on the Performance of Single Cylinder Direct Injection Diesel Engine - A Review / R. K. Gupta, K. A. Sankeerth, A. Yetalkar [et al] // Journal of Basic and Applied Engineering Research. – 2015. – № 2. – P. 1810–1814.

71. Selim M. Performance and engine roughness of a diesel engine running on stabilized water diesel emulsion / M. Selim, M. T. Ghannam // SAE Paper. – 2007.

72. Study on performance of diesel engine applied with emulsified diesel fuel / M. Iwai, K. Yoshida, A. Iijima, H. Shoji // SAE Technical Paper. – 2011.

73. Dubey M. Preparation of Emulsified Water/Diesel Mixture and Performance Analysis of Diesel Engine operated with this mixture / M. Dubey, A. P. Papreja, V. Saxena // International Journal of Innovative Research in Science, Engineering and Technology. – 2016. – № 5. – P. 12541–12550.

74. Das S. Performance evaluation of CI engine fuelled with water emulsified diesel oil / S. Das // International Journal of Research in Engineering and Technology. – 2016. – № 5. – P. 262–267.

75. Белов Е. А. Изменение ресурсных показателей дизеля 6ЧН18/22 при работе на водотопливной эмульсии / Е. А. Белов, И. Г. Мироненко, Л. О. Соловьёва // Ползуновский вестник. – 2004. – № 1. – С. 202–205.

76. Basha J. An experimental study in a CI engine using nanoadditive blended water–diesel emulsion fuel / J. Basha, R. Anand // Int. J. Green Energy. – 2011. – № 8. – P. 332–348.

77. A review on current trends in water in oil emulsions / K. R. Bukkarapu, Y. Jyothi, L. Raju [et al] // International Journal of Mechanical Engineering and Technology. – 2017. – № 8. – P. 359–371.

78. Савченко А. В. Обзор исследований влияния водотопливных эмульсий на показатели дизеля / А. В. Савченко, Д. В. Мешков // Вісник Національного технічного університету "ХПІ". Сер. Транспортне машинобудування. – 2015. – № 43 (1152). – С. 74–77.
79. An Investigation on Performance and Emission characteristics of DI Diesel Engine Fueled with Lemon Peel Oil and its Emulsions / V. S. Randive, A. P. Nashte, O. P. Katkar, K. Nanthagopal // International Journal of Chem Tech Research. – 2018. – № 2. – P. 98–114.
80. Wasiu S. Performance Characteristics of the Direct Injection Compression Ignition Engine Fuelled by Water in Diesel Emulsion (Wide) / S. Wasiu, R. A. Aziz, F. Atrash // International Journal of Applied Engineering Research. – 2018. – № 1. – P. 673–676.
81. Impact of emulsion fuel with nano-organic additives on the performance of diesel engine / W. Yang, H. An, S. Chou [et al] // Appl. Energy. – 2013.
82. Emulsifier-free Water-in-Diesel emulsion fuel: Its stability behavior, engine performance and exhaust emission / M. Ahmad, J. Wira, A. Mohammad [et al] // Fuel. – 2018. – № 215. – P. 454–462.
83. Engine performance and exhaust emission analysis of a single cylinder diesel engine fuelled with water-diesel emulsion fuel blended with manganese metal additives / A. M. Ithnin, W. J. Yahya, J. B. Fletcher, H. A. Kadir // International Conference on Mechanical Engineering Research. – 2017. – № 4. – P. 1–8.
84. Cherng-Yuan L. Diesel engine performance and emission characteristics using three-phase emulsions as fuel / L. Cherng-Yuan, W. Kuo-Hua // Fuel. – 2004. – № 83. – P. 537–545.
- Kumar M. S. The use of biofuel emulsions as fuel for diesel engines: a review /
85. Experimental study on spray characteristics of emulsified diesel blending with water in a constant volume chamber / Z. Wang, X. Chen, D. Vuilleumier [et al] // At. Sprays. – 2016. – P. 513–533.

86. Selim M. Effects of Diesel/water emulsion on heat flow and thermal loading in a pre combustion chamber Diesel engine / M. Selim, S. Elfeky // *Applied Thermal Engineering*. – 2001. – № 21. – P. 1565–1582.
87. An overview of utilizing water-in-diesel emulsion fuel in diesel engine and its potential research study / A. Ithnin, H. Noge, H. Kadir, W. Jazair // *Journal of the Energy Institute* – 2014. – № 87. – P. 273–288.
88. The Use of Biofuel Emulsions as Fuel for Diesel Engines / M. S. Kumar, J. Bellettre, M. Tazerout // *Proc. Inst. Mech. Eng. Part A J. Power Energy*. – 2009. – № 223. – P. 729–742.
89. Hagos F. Water-in-diesel Emulsion and its Micro-explosion Phenomenon-review / F. Hagos, R. Aziz, I. Tan // *IEEE Int. Conf.* – 2011. – № 3. – P. 314–318.
90. Diesel engine fuel consumption and emission analysis using steam generated non-surfactant water-in-diesel emulsion fuel / D. A. Sugeng, M. H. Zahari, A. M. Ithnin, W. J. Yahya // *International Conference on Mechanical Engineering Research*. – 2017. – № 4. – P. 1–10.
91. Abu-Zaid M. Performance of single cylinder, direct injection Diesel engine using water fuel emulsions / M. Abu-Zaid // *Energy Conversion and Management*. – 2004. – № 45. – P. 697–705.
92. Impact of emulsified water/diesel mixture on engine performance and environment / O. Badran, S. Emeish, M. Abu-Zaid [et al] // *Int. J. of thermal and environmental engineering*. – 2011. – № 3. – P. 1–7.
93. Chaichan M. T. Enhancement of DI compression ignition engine performance and emission using diesel-water emulsion as fuel / M. T. Chaichan // *Al-Rafidain Engineering*. – 2013. – № 4. – P. 29–41.
94. Engine performance using emulsified diesel fuel / A. Alahmer, J. Yamin, A. Sakhrieh, M. Hamdan // *Energy Conversion and Management*. – 2010. – № 51. – P. 1708–1713.
95. Wang C. H An experimental investigation of the burning characteristics of water-oil emulsions / C. H. Wang and J. T. Chen // *International Communication in Heat and Mass Transfer*. – 1996. – № 6. P. 823–834.

96. Wang C. H. Microexplosion of fuel droplets under high pressure / C. H. Wang, C. K. Law // *Combustion and flame*. – 1985. – № 59. – P. 53–62.
97. Perumal V. Performance and emission characteristics of direct injection diesel engine by using water emulsified diesel as fuel / V. Perumal, M. Ilankumaran // *International journal of engineering technology*. – 2017. – № 5. – P. 476–484.
98. Дорохов А. Ф. Анализ показателей рабочего цикла, полученных расчетным и экспериментальным путем, при различных способах организации рабочего процесса в ДВС / А. Ф. Дорохов, С. А. Каргин, А. П. Исаев // *Вестник машиностроения*. – 2007. – № 2. – С. 11–17.
99. Исаев А. П. Метод индцирования судовых малоразмерных дизелей / А. П. Исаев, К. К. Колосов // *Вестник АГТУ*. – 2009. – № 2. – С. 155–161.
100. Пойда А. Н. Основные принципы индцирования двигателей дискретными устройствами // *Двигателестроение*. – 1982. – № 8. – С. 24–28.
101. Пойда А. Н. Основные принципы статистической обработки индикаторных диаграмм с помощью цифровых комплексов / А. Н. Пойда, Ю. А. Смолин, С. С. Сухопаров // *Двигатели внутреннего сгорания*. – 1985. – № 42. – С. 23–28.
102. Исаев А. П. Анализ методов расчёта показателей рабочего цикла судовых ДВС / А. П. Исаев, С. А. Каргин, К. К. Колосов // *Вестник АГТУ*. – 2009. – № 1. – С. 193–198.
103. Савельев М. А. Методика получения и обработки осциллограмм давления топлива перед форсункой при экспериментальных исследованиях / М. А. Савельев, Д. В. Рыжко, Д. Ю. Козлов // *Вестник СГТУ*. – 2010. – № 1. – С. 71–76.
104. Мониторинг рабочего процесса и параметрическая диагностика среднеоборотного тепловозного дизеля K6S310DR / Р. А. Варбанец, В. С. Губин, В. И. Кырнац [та ін.] // *Вестник АГТУ*. – 2014. – № 2. – С. 52–61.
105. Определение основных параметров рабочего процесса и результаты диагностики главных дизелей теплохода «Greifswald» / Р. А. Варбанец,

- П. Н. Беленький, В. А. Яровенко [та ін.] // Вестник АГТУ. – 2015. – № 2. – С. 31–41.
106. Разлейцев Н. Ф. Моделирование и оптимизация процесса сгорания в дизелях / Н. Ф. Разлейцев – Харьков: Вища школа, 1980. – 169 с.
107. Воинов А. Н. Сгорание в быстроходных поршневых двигателях / А. Н. Воинов – Москва : Машиностроение, 1977. – 277 с.
108. Файнлейб Б. Н. Топливная аппаратура автотракторных дизелей / Б. Н. Файнлейб. – Ленинград : Машиностроение., 1990. – 352 с.
109. Марченко А. П. Экспериментальное определение энергии активации водотопливной эмульсии / А. П. Марченко, А. А. Прохоренко, А. В. Савченко // Двигатели внутреннего сгорания. – 2016. – № 2. – С. 9–14.
110. Прохоренко А. А. Выбор рационального количества рабочих циклов для усреднения индикаторной диаграммы / А. А. Прохоренко, Д. В. Мешков // Двигатели внутреннего сгорания. – 2006. – № 2. – С. 95–96.
111. Марченко А. П. Универсальный автоматизированный стенд для испытаний ДВС / А. П. Марченко, А. А. Прохоренко, Д. Е. Самойленко, Д. В. Мешков // Вестник Национального технического университета «ХПИ». – 2006. – С. 140-143.
112. Программное обеспечение автоматизированного комплекса для исследований двигателя внутреннего сгорания / А. П. Марченко, С. И. Червонный, Д. В. Мешков, К. Г. Мешкова // Вестник НТУ «ХПИ» – 2004. – № 46. – С. 44–49.
113. Effects of intake and exhaust manifold water injection on combustion and emission characteristics of a DI diesel engine / M. Farag, H. Kosaka, M. Bady, A. Abdel-Rahman // Journal of Thermal Science and Technology. – 2017. – № 12
114. Greeves G. Effects of water introduction on diesel engine combustion and emission / G. Greeves, L. Khan, M. Onion // Power systems. – 1977. – № 1. – P. 321–336.

115. Udayakumar R. Reduction of NO_x emissions by water injection in to the inlet manifold of a DI diesel engine / R. Udayakumar, S. Sundaram, S. C. Johnson // SAE Pap. – 2003.
116. Real-time nonlinear individual cylinder air fuel ratio observer on a diesel engine test bench / J. Chauvin, P. Moulin, G. Corde [et al] // Triennial World Congress. – 2005. – № 16. – P. 194–199.
117. Chughtai A. The Effect of Air/Fuel Ratio on Properties and Reactivity of Combustion Soots / A. Chughtai, M. Kim, M. Smith // Journal of Atmospheric Chemistry. – 2001. – № 43. – P. 21–43.
118. Справочник химика. Т. 2. Основные свойства неорганических и органических соединений / под. ред. Б. П. Никольский. – 3-е издание. Ленинград : Химия, 1971. 1168 с.
119. Марченко А. П. Особливості процесу згоряння в дизелі при роботі на водопаливній емульсії / А. П. Марченко, І. В. Парсаданов, А. О. Прохоренко, А. В. Савченко, О. О. Осетров, Д. В. Мешков // Двигатели внутреннего сгорания. – 2016. – № 1. – С. 3–10.
120. Савченко А. В. Дослідження фізико-механічних процесів в дизелі для розробки моделі еко-ефективного згоряння палива / А. В. Савченко // Вісник Національного технічного університету "ХПІ". – Харків : НТУ "ХПІ", 2017. – № 18 (1240). – С. 53–56.
121. Determination of the air excess factor in diesel engine fueled by water fuel emulsion / A. Prokhorenko, D. Samoilenko, D. Meshkov, A. Savchenko // Zeszyty Naukowe Instytutu Pojazdów/Politechnika Warszawska. – 2017. – № 5(114). – P. 35–43.
122. Вплив параметрів системи паливоподачі на індикаторні показники дизеля при роботі на водопаливній емульсії / А. П. Марченко, І. В. Парсаданов, А. В. Савченко, І. М. Карягін // Двигатели внутреннего сгорания. – 2017. – № 2. – С. 3–8.
123. Филиппковский А. И. Совершенствование рабочего процесса дизелей типа ЧН 32/32 на основе физического и математического моделирования :

дис. ... канд. техн. наук : 05.04.02 / Филипковский Алексей Игоревич. – Харків : ХІІТ, 1988. – 250 с.

124. Прохоренко А. А. Оценка резервов улучшения экологических показателей автомобильного дизеля на основе выбора рациональных параметров рабочего процесса : дис. ... канд. техн. наук : 05.04.02 / Прохоренко Андрей Алексеевич. – Харків : ХарХАЖТ, 1998. – 155 с.

125. Савченко А. В. Математичне моделювання процесів сумішоутворення та згоряння в дизелі на водопаливній емульсії / А. В. Савченко // Двигатели внутреннего сгорания. – 2018. – №1. – С. 19–26.

126. Звонов В. А. Токсичность двигателей внутреннего сгорания / Звонов В. А. – Москва : Машиностроение, 1981. – 160 с.

127. Расчётное исследование особенностей процесса дизеля СМД-31 при его работе на традиционном дизельном топливе и метиловых эфирах рапсового масла / А. П. Марченко, В. Г. Семёнов, И. И. Сукачёв, О. Ю. Линьков // Авиационно-космическая техника и технология. – Харьков : Гос. аэрокосм. ун-т «ХАИ». – 2000. – Вып. 19. – С. 155–157.

128. Парсаданов И. В. Повышение качества и конкурентоспособности дизелей на основе комплексного топливно-экологического критерия : монографія / Парсаданов И. В. – Харьков : НТУ «ХПИ», 2003. – 244 с.