

2016 AUTHOR INDEX

	No.	Page
Abramov S. K. see Prokopenko V. M.		
Agafonov G. L., Vlasov P. A., Tereza A. M., and Ryabikov O. B. A numerical study of enhanced autoignition in HCCI hydrogen fuelled engine	1	67
Agafonov G. L., Vlasov P. A., Zhil'tsova I. V., Mikhailov D. I., Smirnov V. N., and Tereza A. M. Experimental and modeling study of chemical ionization in the oxidation of acetylene and methane mixtures behind reflected shock waves	2	13
Aksenov V. S., Ivanov V. S., Frolov S. M., and Shamshin I. O. Continuous detonation combustion of ternary “hydrogen – liquid propane – air” mixture	3	80
Aksenov V. S. see Avdeev K. A.		
Aksenov V. S. see Avdeev K. A.		
Aksenov V. S. see Avdeev K. A.		
Aksenov V. S. see Frolov S. M.		
Aksenov V. S. see Frolov S. M.		
Aksenov V. S. see Ivanov V. S.		
Anikeev A. A. see Bogdanova Yu. A.		
Antonyuk S. N. see Tarasov A. I.		
Arutyunov V. S. see Dmitruk A. S.		
Arutyunov V. S. see Poghosyan N. M.		
Arutyunov V. S. see Tarasov A. I.		
Arutyunov V. S. see Troshin K. Ya.		
Assad M. S., Grushevskii V. V., Penyazkov O. G., and Tarasenko I. N. Measurement of polycyclic aromatic hydrocarbons in combustion products of a gasoline engine	4	22
Assovskiy I. G. see Melik-Gaikazov G. V.		
Avdeev K. A., Aksenov V. S., Borisov A. A., Frolov S. M., Sadykov I. A., Frolov F. S., and Shamshin I. O. Propagation of high-frequency sequence of shock waves in water with gas bubbles	4	83
Avdeev K. A., Aksenov V. S., Borisov A. A., Sadykov I. A., Frolov S. M., Frolov F. S., and Shamshin I. O. Phenomenology of shock wave propagation in water with bubbles of reactive gas	4	64
Avdeev K. A., Aksenov V. S., Borisov A. A., Sevastopoleva D. G., Tukhvatulina R. R., Frolov S. M., and Frolov F. S. Shock waves in water with bubbles of reactive gas: Calculation	4	47

	No.	Page
Avdeev K. A. see Frolov S. M.		
Azatyan V. V. see Prokopenko V. M.		
Azyazov V. N. see Ghildina A. R.		
Basara B. see Basevich V. Ya.		
Basevich V. Ya., Belyaev A. A., Frolov F. S., and Frolov S. M. Kinetic nature of blue flames of isoocetane self-ignition by compression	1	28
Basevich V. Ya., Medvedev S. N., Frolov S. M., Frolov F. S., Basara B., and Priesching P. Macrokinetic model for calculation of soot emissions in diesel engine	3	36
Baykov A. V., Peshkova A. V., Shihovtsev A. V., and Yanovskiy L. S. Exper- imental study of the low-temperature solid-propellant gas generator for ramjet	4	126
Belyaev A. A. see Basevich V. Ya.		
Bilera I. V. and Buravtsev N. N. Homogeneous pyrolysis of isopentane under pulsed adiabatic compression	1	74
Bogdanova Yu. A., Gubin S. A., and Anikeev A. A. Effective two-fluid model for theoretical equation of state of ternary mixture	2	103
Borisov A. A., Smetanuk V. A., Troshin K. Ya., and Shamshin I. O. Self- ignition in gas vortices	1	4
Borisov A. A. see Avdeev K. A.		
Borisov A. A. see Avdeev K. A.		
Borisov A. A. see Avdeev K. A.		
Borisov A. A. see Komissarov P. V.		
Borisov A. A. see Troshin K. Ya.		
Bragin A. A. see Muravyev N. V.		
Bragin A. A. see Pivkina A. N.		
Brazhnikov M. A. see Shevchenko A. A.		
Bryukov M. G., Sergeev S. M., Kudryashov V. A., and Prokopenko O. A. Laminar flame speed of stoichiometric naphthal/air mixture	3	4
Buravtsev N. N. see Bilera I. V.		
Chapyshev S. V. see Nedelko V. V.		
Chuiko S. V. On the nature of disturbances as a reason of double-base propellants pulsating combustion	4	132
Chukanov N. V. see Nedelko V. V.		
Dalinger I. L. see Pivkina A. N.		
Dmitruk A. S., Nikitin A. V., Strekova L. N., and Arutyunov V. S. Pressure influence on oxidative cracking of light alkanes	3	21
Dobrynnin A. A. and Dobrynnin I. A. On the issue of testing and application of liquid explosives in industry	4	138
Dobrynnin I. A. see Dobrynnin A. A.		
Dolgoborodov A. Yu. see Shevchenko A. A.		

	No.	Page
Dubovik A. V. Mathematical model for thermolysis of NTO–TNT (1 : 1) mixture	4	155
Dubovik A. V. Method of estimation of sensitivity indicators for solid high explosives to impact. I. Individual high explosives	1	139
Dubrovskii A. V., Ivanov V. S., Zangiev A. E., and Frolov S. M. Numerical simulation of the design and performance of a ramjet with continuous-detonation combustor	2	80
Dulin V. M. see Markovich D. M.		
Dzyabchenko A. V., Khakimov D. V., and Pivina T. S. Simulation of the crystal structure and density of ammonium salt of azidotetrazolfuroxane	2	128
Ermolaev B. S., Sulimov A. A., Roman'kov A. V., and Khrapovskii V. E. Convective burning: From explosion safety to application in pulse technical devices	4	96
Ermolaev B. S. see Sulimov A. A.		
Faria L. M. see Kasimov A. R.		
Feodoritova O. B. see Gudich I. G.		
Fomenkov I. V. see Muravyev N. V.		
Frolov F. S. see Avdeev K. A.		
Frolov F. S. see Avdeev K. A.		
Frolov F. S. see Avdeev K. A.		
Frolov F. S. see Basevich V. Ya.		
Frolov F. S. see Basevich V. Ya.		
Frolov F. S. see Frolov S. M.		
Frolov F. S. see Zangiev A. E.		
Frolov S. M. Effect of turbulence on the mean rate of chemical transformations: Review	1	43
Frolov S. M., Aksenov V. S., and Shamshin I. O. Deflagration-to-detonation transition in “oxygen – liquid <i>n</i> -heptane film” system	3	92
Frolov S. M., Platonov S. V., Avdeev K. A., Aksenov V. S., Ivanov V. S., Zangiev A. E., Koval' A. S., and Frolov F. S. Combustion of fuel–air mixture in gas cavity under the bottom of the high-speed vessel	4	12
Frolov S. M. see Aksenov V. S.		
Frolov S. M. see Avdeev K. A.		
Frolov S. M. see Avdeev K. A.		
Frolov S. M. see Avdeev K. A.		
Frolov S. M. see Basevich V. Ya.		
Frolov S. M. see Basevich V. Ya.		
Frolov S. M. see Dubrovskii A. V.		
Frolov S. M. see Ivanov V. S.		
Frolov S. M. see Medvedev S. N.		
Frolov S. M. see Tukhvatullina R. R.		

	No.	Page
Frolov S. M. see Zangiev A. E.		
Ghildina A. R., Mebel A. M., Oleynikov A. D., Mikheyev P. A., and Azay-zov V. N. The calculation of the surface of potential energy of the reaction C ₅ H ₄ O + H by quantum-mechanical <i>ab initio</i> methods	2	4
Grushevskii V. V. see Assad M. S.		
Gryzlova O. S. see Pivkina A. N.		
Gubin S. A. see Bogdanova Yu. A.		
Gudich I. G., Vlasenko V. V., Zhukov V. T., Manukovsky K. V., Novikova N. D., Rykov Yu. G., and Feodoritova O. B. On calculations of a model high-speed combustor	3	57
Ivanov V. S., Aksenov V. S., Frolov S. M., and Shamshin I. O. Experimental studies of stand sample of rocket engine with continuous-detonation combustion of natural gas – oxygen mixture	2	51
Ivanov V. S. see Aksenov V. S.		
Ivanov V. S. see Dubrovskii A. V.		
Ivanov V. S. see Frolov S. M.		
Ivanov V. S. see Medvedev S. N.		
Ivanov V. S. see Zangiev A. E.		
Kasimov A. R., Faria L. M., and Rosales R. R. On a theoretical prediction of the dynamics of pulsating and cellular detonations in gases	2	42
Kasimov A. R. and Semenko R. E. On modeling of gaseous detonation in porous media by the one-dimensional reactive Euler equations	4	28
Khakimov D. V. and Pivina T. S. Computer simulation of thermochemical and explosive characteristics for ammonium salts of tetrazol-furazanes and tetrazol-furoxanes derivatives	1	118
Khakimov D. V. see Dzyabchenko A. V.		
Khrapovskii V. E. see Ermolaev B. S.		
Kirilenko V. G. see Shevchenko A. A.		
Kobtsev V. D., Kostritsa S. A., Smirnov V. V., Starik A. M., Stel'makh O. M., and Tumanov A. A. Thermometry of a diffusion flame of decane by CARS spectroscopy	1	35
Komissarov P. V., Borisov A. A., Sokolov G. N., and Lavrov V. V. Energy characteristics of underwater explosion of nonideal aluminum-rich explosive mixtures: Comparison with conventional high explosives	4	148
Komissarov P. V. and Kuznetsov B. B. Microshock wave parameters in water during the shock wave bacterial transformation	3	147
Komissarov P. V., Sokolov G. N., and Lavrov V. V. Optical method for fast estimation of parameters of the shock wave from large scale ground explosion	2	94
Kon'kova T. S., Matyushin Yu. N., Miroshnichenko E. A., and Vorob'ev A. B. Enthalpy of nitrocellulose formation	3	135

	No.	Page
Kon'kova T. S., Matyushin Yu. N., Miroshnichenko E. A., and Vorob'ev A. B.		
Thermochemical properties of alkaline salts of 2,4,6-trinitro-phloroglucinol	2	136
Korsunskiy B. L. see Nedelko V. V.		
Kostritsa S. A. see Koltsev V. D.		
Koval' A. S. see Frolov S. M.		
Kozlov A. A. see Matveev A. A.		
Kudryashov V. A. see Bryukov M. G.		
Kulikov V. N. see Matveev A. A.		
Kuzmenko A. V. see Larionov B. I.		
Kuznetsov B. B. see Komissarov P. V.		
Kuznetsov G. P. see Melik-Gaikazov G. V.		
Kuznetsov N. M. Towards increase of oil production	2	111
Larikova T. S. see Nedelko V. V.		
Larionov B. I. and Kuzmenko A. V. Study of pressure fluctuations in a solid rocket motor chamber in quasi-stationary operation mode	4	116
Lavrov V. V. see Komissarov P. V.		
Lavrov V. V. see Komissarov P. V.		
Leschevich V. V., Penyazkov O. G., and Shimchenko S. Yu. Ignition of methane/air mixture in the presence of the coal dust under temperatures 800–1200 K	3	29
Lipanov A. M., Rusyak I. G., and Trubachev A. V. Mathematical model of physical and chemical processes in combustion of ballistic solid fuels (first report)	3	112
Makhov M. N. Acceleration ability of aluminized explosive compositions	1	144
Manukovsky K. V. see Gudich I. G.		
Markovich D. M. and Dulin V. M. Jet-flame combustion. Diagnostics of hydrodynamic instability modes and flow control	2	31
Marshakov V. N. Transverse waves during double-based propellant combustion	3	124
Matveev A. A., Kulikov V. N., Osavchuk A. N., Shishov N. I., and Kozlov A. A. Effect of properties of HMX particles on combustion-to-explosion transition in semiconfined volume	4	163
Matyushin Yu. N. see Kon'kova T. S.		
Matyushin Yu. N. see Kon'kova T. S.		
Mebel A. M. see Ghildina A. R.		
Medvedev S. N., Ivanov V. S., and Frolov S. M. Three-dimensional numerical simulation of operation process and thrust performance of bench rocket engine with continuous detonation combustion of natural gas – oxygen mixture	2	65
Medvedev S. N. see Basevich V. Ya.		

	No.	Page
Medvedev S. N. see Zangiev A. E.		
Melik-Gaikazov G. V., Kuznetsov G. P., and Assovskiy I. G. Light sensitivity of energetic complex compounds of transition metals	2	155
Mikhailov D. I. see Agafonov G. L.		
Mikheyev P. A. see Ghildina A. R.		
Miroshnichenko E. A. see Kon'kova T. S.		
Miroshnichenko E. A. see Kon'kova T. S.		
Mokhin G. N. and Shmelev V. M. Critical conditions in reaction of alu- minum with water	2	120
Monogarov K. A. see Muravyev N. V.		
Monogarov K. A. see Pivkina A. N.		
Muravyev N. V., Bragin A. A., Monogarov K. A., Nikiforova A. S., Niko- laev N. V., Fomenkov I. V., Shishov N. I., and Pivkina A. N. 5-amino- 3,4-dinitropyrazole: Thermal stability and combustion	2	146
Muravyev N. V. see Pivkina A. N.		
Nedelko V. V., Korsunskiy B. L., Larikova T. S., Chapyshev S. V., Chuka- nov N. V., and Shu Y. Thermal decomposition of cyanuric triazide	1	109
Nikiforova A. S. see Muravyev N. V.		
Nikitin A. V. see Dmitruk A. S.		
Nikitin A. V. see Poghosyan N. M.		
Nikitin A. V. see Troshin K. Ya.		
Nikolaev A. A. see Vlasenko V. V.		
Nikolaev N. V. see Muravyev N. V.		
Nikolaev V. M. and Shmelev V. M. Hydrogen production in reaction of alu- minum with water at activation by copper	1	91
Novikova N. D. see Gudich I. G.		
Oleynikov A. D. see Ghildina A. R.		
Osavchuk A. N. see Matveev A. A.		
Penyazkov O. G. and Skilandz A. V. Influence of near-wall effects on the results of induction time measurement in H ₂ /O ₂ /Ar gas mixture in shock tubes of different roughness	1	14
Penyazkov O. G. see Assad M. S		
Penyazkov O. G. see Leschevich V. V.		
Peshkova A. V. see Baykov A. V.		
Pivina T. S. see Dzyabchenko A. V.		
Pivina T. S. see Khakimov D. V.		
Pivina T. S. see Smirnov A. S.		
Pivkina A. N., Bragin A. A., Muravyev N. V., Monogarov K. A., Gryzlo- va O. S., Shkineva T. K., and Dalinger I. L. Thermal decomposition of monocyclic nitropyrazoles	1	98
Pivkina A. N. see Muravyev N. V.		

	No.	Page
Platonov S. V. see Frolov S. M.		
Poghosyan M. Dj. see Poghosyan N. M.		
Poghosyan N. M., Poghosyan M. Dj., Shapovalova O. V., Nikitin A. V., Strekova L. N., and Arutyunov V. S. Production of olefins by conjugated oxidation of light hydrocarbons	1	83
Poskrebyshev G. A. Calculation of C–H bond dissociation energy of 2-furyl radical and intermediate products of its decomposition using density functional theory and possibility of HO ₂ formation at the presence of molecular oxygen	3	13
Priesching P. see Basevich V. Ya.		
Prokopenko V. M., Abramov S. K., and Azatyan V. V. Inhibition of combustion and explosion of methane–air mixtures in the presence of coal dust	1	21
Prokopenko O. A. see Bryukov M. G.		
Roman'kov A. V. see Ermolaev B. S.		
Rosales R. R. see Kasimov A. R.		
Rusyak I. G. see Lipanov A. M.		
Ryabikov O. B. see Agafonov G. L.		
Rykov Yu. G. see Gudich I. G.		
Sadykov I. A. see Avdeev K. A.		
Sadykov I. A. see Avdeev K. A.		
Semenko R. E. see Kasimov A. R.		
Semenov I. V. see Zangiev A. E.		
Sergeev S. M. see Bryukov M. G.		
Sergeev S. S. Numerical investigations of possibilities of mixture formation and combustion processes improvement in cylinder of a high-speed diesel engine	1	59
Sevastopoleva D. G. see Avdeev K. A.		
Shamshin I. O. see Aksenov V. S.		
Shamshin I. O. see Avdeev K. A.		
Shamshin I. O. see Avdeev K. A.		
Shamshin I. O. see Borisov A. A.		
Shamshin I. O. see Frolov S. M.		
Shamshin I. O. see Ivanov V. S.		
Shapovalova O. V. see Poghosyan N. M.		
Shapovalova O. V. see Tarasov A. I.		
Shevchenko A. A., Dolgorobodov A. Yu., Kirilenko V. G., and Brazhnikov M. A. Detonation of the mixtures of nanoscale aluminum with ammonium perchlorate	1	131
Shihovtsev A. V. see Baykov A. V.		
Shimchenko S. Yu. see Leschevich V. V.		

	No.	Page
Shishov N. I. see Matveev A. A.		
Shishov N. I. see Muravyev N. V.		
Shiyanova K. A. see Tarasov A. I.		
Shkineva T. K. see Pivkina A. N.		
Shmelev V. M. see Mokhin G. N.		
Shmelev V. M. see Nikolaev V. M.		
Shmelev V. M. see Tarasov A. I.		
Shu Y. see Nedelko V. V.		
Skilandz A. V. see Penyazkov O. G.		
Smetanuk V. A. see Borisov A. A.		
Smirnov A. S. and Pivina T. S. Calculational scheme of evaluation of the electric spark sensitivity for explosives based on experimental data	3	140
Smirnov V. N. see Agafonov G. L.		
Smirnov V. V. see Kobtsev V. D.		
Sokolov G. N. see Komissarov P. V.		
Sokolov G. N. see Komissarov P. V.		
Starik A. M. see Kobtsev V. D.		
Stel'makh O. M. see Kobtsev V. D.		
Strekova L. N. see Dmitruk A. S		
Strekova L. N. see Poghosyan N. M.		
Sulimov A. A. and Ermolaev B. S. Low velocity detonation in cast composite rocket propellants	1	125
Sulimov A. A. see Ermolaev B. S.		
Tarasenko I. N. see Assad M. S.		
Tarasov A. I., Shapovalova O. V., Timofeev K. A., Shiyanova K. A., Arutyunov V. S., Shmelev V. M., and Antonyuk S. N. Matrix conversion of enriched methane–oxygen mixture at elevated pressures	4	4
Tereza A. M. see Agafonov G. L.		
Tereza A. M. see Agafonov G. L.		
Timofeev K. A. see Tarasov A. I.		
Troshin K. Ya., Nikitin A. V., Borisov A. A., and Arutyunov V. S. Determination of self-ignition delay of methane–air mixtures with addition of C ₂ –C ₅ alkanes	2	23
Troshin K. Ya. see Borisov A. A.		
Trubachev A. V. see Lipanov A. M.		
Tukhvatullina R. R. and Frolov S. M. Well-posedness of nonisothermal Euler models of two-phase flows	4	36
Tukhvatullina R. R. see Avdeev K. A.		
Tumanov A. A. see Kobtsev V. D.		
Vlasenko V. V., Voloshchenko O. V., and Nikolaev A. A. Flow development in a high-speed combustor at various values of air excess ratio	3	47

	No. Page
Vlasenko V. V. see Gudich I. G.	
Vlasenko V. V. see Zangiev A. E.	
Vlasov P. A. see Agafonov G. L.	
Vlasov P. A. see Agafonov G. L.	
Voloshchenko O. V. see Vlasenko V. V.	
Vorob'ev A. B. see Kon'kova T. S.	
Vorob'ev A. B. see Kon'kova T. S.	
Yanovskiy L. S. see Baykov A. V.	
Zangiev A. E., Ivanov V. S., Medvedev S. N., Frolov S. M., Frolov F. S., Semenov I. V., and Vlasenko V. V. The effect of turbulence of flow development in scramjet combustor	3 66
Zangiev A. E. see Dubrovskii A. V.	
Zangiev A. E. see Frolov S. M.	
Zhil'tsova I. V. see Agafonov G. L.	
Zhukov V. T. see Gudich I. G.	