

2023 AUTHOR INDEX

	No.	Page
Akhunyanov A. R., Vlasov P. A., Smirnov V. N., Arutyunov A. V., Mikhailov D. I., and Arutyunov V. S. Comparison of the effect of H ₂ O and CO ₂ additives on the conversion of methane into synthesis gas	3	10–19
Akhunyanov A. R. see Arutyunov A. V.		
Aksenov V. S. see Shamshin I. O.		
Aksenov V. S. see Shamshin I. O.		
Antonov D. V., Volkov R. S., Razumov D. S., and Strizhak P. A. New experimental data of child droplets identification after two-liquid droplet breakup	1	30–37
Arsenov P. A. see Yankovsky B. D.		
Arutyunov A. V., Akhunyanov A. R., Shubin G. A., Belyaev A. A., Vlasov P. A., Smirnov V. N., Troshin K. Ya., and Arutyunov V. S. Effect of syngas composition on its ignition in the temperature range $T \leq 1000$ K	2	3–14
Arutyunov A. V. see Akhunyanov A. R.		
Arutyunov A. V. see Arutyunov V. S.		
Arutyunov V. S., Arutyunov A. V., Belyaev A. A., Strekova L. N., and Troshin K. Ya. Effect of transition from low-temperature to high-temperature mechanisms of methane and hydrogen oxidation on ignition of gas mixtures containing them	4	3–13
Arutyunov V. S. see Akhunyanov A. R.		
Arutyunov V. S. see Arutyunov A. V.		
Assad M. S. and Chernukho I. I. Detonation wave velocity in the “liquid fuel – oxidizer” mixtures at $\varphi \leq 1$ in a small-sized pulsed combustor	1	76–79
Astakhova L. K. see Milekhin Yu. M.		
Avdeev K. A. see Shamshin I. O.		
Babuk V. A., Kuklin D. I., Kuklina K. N., and Naryzhnyi S. Yu. The problem of slag formation in engines based on pasty propellant	2	78–85
Babuk V. A., Kuklin D. I., Naryzhnyi S. Yu., and Nizyaev A. A. Specific features of burning of pasty condensed systems	1	80–85
Basakina S. S., Komissarov P. V., Lavrov V. V., Tochilin S. N., and Gavryushova V. D. Measuring the pressure of air shock waves from the aboveground explosion by isolated suspended gauges	3	51–61
Basakina S. S. see Komissarov P. V.		
Belyaev A. A., Gordoplova I. S., and Ermolaev B. S. About the term “law of exponent in positive exponent” which is introduced in scientific literature to explain the features of the chain branching chemical reactions in gas mixtures	4	14–20
Belyaev A. A. see Arutyunov A. V.		
Belyaev A. A. see Arutyunov V. S.		
Bilera I. V. Oxidative pyrolysis of ethane under pulsed adiabatic compression	3	20–28
Bivol G. Yu., Golovastov S. V., Golub V. V., Dentsel N. K., Elyanov A. E., Kuleshov F. S., Mikushkin A. Yu., and Mikushkina A. A. Influence of porous copper on the dynamics of the flame front in acetylene–air mixtures	2	15–23
Bogdanova V. V., Kobets O. I., Platonov A. S., and Perevoznikova A. B. Optimization of fire-resistant and fire-thermal protective properties of intumescent composites using mathematical experimental planning	3	62–72
Bogdanova Yu. A. see Gubin S. A.		
Brazhnikov M. A. see Kirilenko V. G.		
Brazhnikov M. A. see Kirilenko V. G.		
Bugaev P. N. see Martynyuk V. F.		
Byrdin K. A., Frolov S. M., Storozhenko P. A., and Guseinov Sh. L. Detonability of boron- and aluminum-containing compounds in air, water, and carbon dioxide	2	50–70

	No.	Page
Bystrov N. S., Emelianov A. V., Eremin A. V., and Yatsenko P. I. Refined data on O ₂ dissociation rate measured by O-ARAS behind shock waves	1	15–22
Chepurnoy A. O. see Sinditskii V. P.		
Chernousov Y. D. see Kalmykov P. I.		
Chernukho I. I. see Assad M. S.		
Dashko D. V. see Lempert D. B.		
Degtyarev S. A. see Khakimov D. V.		
Dentsel N. K. see Bivol G. Yu.		
Dolgoborodov A. Yu. see Kirilenko V. G.		
Dolgoborodov A. Yu. see Kirilenko V. G.		
Dolgoborodov A. Yu. see Yankovsky B. D.		
Dorokhov V. V. see Vershinina K. Yu.		
Drakon A. V., Eremin A. V., Korshunova M. R., and Mikheyeva E. Yu. Effect of trifluoriodomethane additives on the ignition of multicomponent combustible mixtures behind shock waves	1	23–29
Dubovik A. V. Effect of additive particle size on impact sensitivity of ultra- and nanoscale ammonium perchlorate	1	94–100
Egorshev V. Yu. see Sinditskii V. P.		
Elyanov A. E. see Bivol G. Yu.		
Emelianov A. V. see Bystrov N. S.		
Eremin A. V. see Bystrov N. S.		
Eremin A. V. see Drakon A. V.		
Ermolaev B. S. see Belyaev A. A.		
Finyakov S. V. To the problem of hearth combustion on the surface of double-base propellant	3	73–82
Fomenkov I. V. see Monogarov K. A.		
Frolov F. S. see Frolov S. M.		
Frolov F. S. see Silantiev A. S.		
Frolov S. M., Smetanyuk V. A., Silantiev A. S., Sadykov I. A., Frolov F. S., Hasiak Ya. K., Shiryayev A. A., and Sitnikov V. E. Thermomechanical processing of printed boards by pulsed detonation waves for removal of organic fractions	4	66–82
Frolov S. M. see Byrdin K. A.		
Frolov S. M. see Shamshin I. O.		
Frolov S. M. see Shamshin I. O.		
Frolov S. M. see Silantiev A. S.		
Gabbasov R. M. see Kirdyashkin A. I.		
Gavryushova V. D. see Basakina S. S.		
Gavryushova V. D. see Komissarov P. V.		
Gaynutdinov R. V. see Kosareva E. K.		
Golovastov S. V. see Bivol G. Yu.		
Golub V. V. see Bivol G. Yu.		
Gordopolova I. S. see Belyaev A. A.		
Gubin S. A., Maklashova I. V., and Bogdanova Yu. A. Molecular-dynamic modeling of chemical decomposition of organic substances in shock waves with different spatio-temporal scales of compression phases	4	129–139
Guseinov Sh. L. see Byrdin K. A.		
Gusev P. A. see Shamshin I. O.		
Gusev P. A. see Shamshin I. O.		
Hasiak Ya. K. see Frolov S. M.		
Hasiak Ya. K. see Silantiev A. S.		
Ignatyeva E. L. see Lempert D. B.		
Inozemtsev A. V., Inozemtsev J. O., Matyushin Yu. N., and Vorob'ev A. B. Bomb combustion calorimeter with isothermal shell	2	119–123
Inozemtsev A. V. see Miroshnichenko E. A.		
Inozemtsev A. V. see Silantiev A. S.		
Inozemtsev J. O. see Inozemtsev A. V.		

	No.	Page
Inozemtsev J. O. see Miroshnichenko E. A.		
Inozemtsev J. O. see Silantiev A. S.		
Ivanov V. S. see Shamshin I. O.		
Kalmykov P. I., Popenko E., Sergienko A., Sidorov K., Mikhailenko M., Tolochko B., and Chernousov Y. Effect of ionizing radiation on the properties of components and the combustion rate of high-energy condensed systems based on them	1	86–93
Kazachenko M. V. see Shamshin I. O.		
Kazakov A. I. see Lempert D. B.		
Khakimov D. V., Degtyarev S. A., and Pivina T. S. Contribution of the azide anion to the enthalpy of formation of energetic salt compounds	2	112–118
Khmel T. A. and Lavruk S. A. Development of a model of hybrid detonation in a mixture of oxygen–hydrogen–argon with aluminum particles	1	63–69
Kirdyashkin A. I., Kitler V. D., Gabbasov R. M., and Maznoy A. S. Effect of self-fluidization of reaction medium and its application to the combustion synthesis of Ni–Al intermetallics	3	108–123
Kirilenko V. G., Dolgoborodov A. Yu., and Brazhnikov M. A. Combustion transfer in high-pore nanothermites through inert barriers	3	83–92
Kirilenko V. G., Dolgoborodov A. Yu., Brazhnikov M. A., and Shamshin I. O. A new method of investigation of combustion propagation mechanism in porous nanothermites	4	106–118
Kitler V. D. see Kirdyashkin A. I.		
Kiverin A. D., Melnikova K. S., and Yakovenko I. S. Influence of turbulence on combustion of hydrogen–air mixtures of different composition	4	32–37
Kiverin A. D. see Smygalina A. E.		
Kobets O. I. see Bogdanova V. V.		
Komissarov P. V., Basakina S. S., Tochilin S. N., and Gavryushova V. D. Specific features of air shock wave parameters measurements by the analysis of high-speed video records	4	83–89
Komissarov P. V. see Basakina S. S.		
Kon'kova T. S. see Miroshnichenko E. A.		
Koptelov A. A. see Milekhin Yu. M.		
Korobov A. V. see Martynyuk V. F.		
Korshunova M. R. see Drakon A. V.		
Korsunskiy B. L. see Miroshnichenko E. A.		
Kosareva E. K., Gaynutdinov R. V., Nickolskaya A. B., Pivkina A. N., and Muravyev N. V. Study of pentaerythritol tetranitrate sublimation by atomic force microscopy	4	119–128
Krupkin V. G. and Mokhin G. N. Acceleration of numerical schemes for simulation of pulsed combustion using new features of C++ programming language	2	71–77
Kuklin D. I. see Babuk V. A.		
Kuklin D. I. see Babuk V. A.		
Kuklina K. N. see Babuk V. A.		
Kuleshov F. S. see Bivol G. Yu.		
Lavrov V. V. see Basakina S. S.		
Lavruk S. A. see Khmel T. A.		
Lavruk S. A. see Tropin D. A.		
Lempert D. B., Dashko D. V., Kazakov A. I., Ignatyeva E. L., and Nabatova A. V. Dicyanomethyl and ditetrazomethyl derivatives of bisfurazanopiperazine as potential solid fuel dispersants for gas generator engines	3	100–107
Liu Wenchao Experience in numerical simulation of a methane–air mixture turbulent combustion in a duct with a step using the computational fluid dynamics package ANSYS FLUENT on the basis of various chemical kinetics models	2	24–41
Makhov M. N. Development of the method for evaluating the acceleration ability of high explosives on the basis of Gurney model	2	96–102
Maklashova I. V. see Gubin S. A.		
Martynyuk V. F., Korobov A. V., and Bugaev P. N. Explosion risk index determination in gasified apartments of Moscow	2	42–49
Matyushin Yu. N. see Inozemtsev A. V.		

- Matyushin Yu. N. see Miroshnichenko E. A.
- Maznoy A. S. see Kirdyashkin A. I.,
- Meerov D. B. see Monogarov K. A.
- Melnikova K. S. see Kiverin A. D.
- Mikhailenko M. A. see Kalmykov P. I.
- Mikhailov D. I. see Akhunyanov A. R.
- Mikhaleva A. A. see Sinditskii V. P.
- Mikheyeva E. Yu. see Drakon A. V.
- Mikushkin A. Yu. see Bivol G. Yu.
- Mikushkina A. A. see Bivol G. Yu.
- Milekhin Yu. M., Koptelov A. A., Astakhova L. K., and Rogozina A. A. Self-ignition of composite energetic materials containing nitrate esters: Comparison of calculated and experimental data 4 100–105
- Miroshnichenko E. A., Kon'kova T. S., Shastin A. V., Vorob'ev A. B., Inozemtsev J. O., Inozemtsev A. V., Matyushin Yu. N., and Korsunskiy B. L. Enthalpy of formation of the trinitromethyl group 3 124–130
- Mokhin G. N. see Krupkin V. G.
- Monogarov K. A., Muravyev N. V., Meerov D. B., Fomenkov I. V., and Pivkina A. N. Impact sensitivity of energetic materials: Estimation of energy transferred to the sample 2 103–111
- Muravyev N. V. see Kosareva E. K.
- Muravyev N. V. see Monogarov K. A.
- Nabatova A. V. see Lempert D. B.
- Naryzhnyi S. Yu. see Babuk V. A.
- Naryzhnyi S. Yu. see Babuk V. A.
- Nickolskaya A. B. see Kosareva E. K.
- Nizyaev A. A. see Babuk V. A.
- Nyashina G. S. see Vershinina K. Yu.
- Perevoznikova A. B. see Bogdanova V. V.
- Pivina T. S. see Khakimov D. V.
- Pivkina A. N. see Kosareva E. K.
- Pivkina A. N. see Monogarov K. A.
- Platonov A. S. see Bogdanova V. V.
- Popenko E. M. see Kalmykov P. I.
- Poskrebyshev A. A. see Poskrebyshev G. A.
- Poskrebyshev A. A. see Poskrebyshev G. A.
- Poskrebyshev G. A. and Poskrebyshev A. A. Temperature dependence of the rate constant of formation of p-PhC(O₂H)HPhOH in the reaction of p-PhC(O₂[•])HPhOH with p-PhCH₂PhOH and the rate of chain oxidation of p-PhCH₂PhOH 4 21–31
- Poskrebyshev G. A. and Poskrebyshev A. A. Thermochemical properties of p-C₆H₅C(O₂H)HC₆H₄OH and chain oxidation of p-benzylphenol 1 3–14
- Razumov D. S. see Antonov D. V.
- Rogozina A. A. see Milekhin Yu. M.
- Romanov D. S. see Vershinina K. Yu.
- Sadykov I. A. see Frolov S. M.
- Sadykov I. A. see Silantiev A. S.
- Sergienko A. V. see Kalmykov P. I.
- Serushkin V. V. see Sinditskii V. P.
- Shamshin I. O., Aksenov V. S., Kazachenko M. V., Gusev P. A., and Frolov S. M. Fast deflagration-to-detonation transition in helical tubes 3 29–50
- Shamshin I. O., Ivanov V. S., Aksenov V. S., Gusev P. A., Avdeev K. A., and Frolov S. M. Flame propagation and deflagration-to-detonation transition in a semiconfined flat slit combustor with separate supply of ethylene and oxygen 4 38–65
- Shamshin I. O. see Kirilenko V. G.
- Shastin A. V. see Miroshnichenko E. A.

No. Page

- Shiryaev A. A.** see Frolov S. M.
- Shubin G. A.** see Arutyunov A. V.
- Shvedov D. K.** see Vershinina K. Yu.
- Sidorov K. A.** see Kalmykov P. I.
- Silantiev A. S., Sadykov I. A., Smetanyuk V. A., Frolov F. S., Frolov S. M., Hasiak Ya. K., Vorob'ev A. B., Inozemtsev A. V., and Inozemtsev J. O.** Gasification of organic waste by ultrasuperheated steam: The effect of steam mass flow rate 1 38–54
- Silantiev A. S.** see Frolov S. M.
- Sinditskii V. P., Egorshv V. Yu., Serushkin V. V., Chepurnoy A. O., and Mikhaleva A. A.** Combustion mechanism of perchlorates of methyl ammonium derivatives 3 93–99
- Sitnikov V. E.** see Frolov S. M.
- Skoryupin V. V.** see Vershinina K. Yu.
- Smetanyuk V. A.** see Frolov S. M.
- Smetanyuk V. A.** see Silantiev A. S.
- Smirnov V. N.** see Akhunyanov A. R.
- Smirnov V. N.** see Arutyunov A. V.
- Smygalina A. E. and Kiverin A. D.** On the criteria of hydrogen self-ignition during its release from the high-pressure vessel 3 3–9
- Storozhenko P. A.** see Byrdin K. A.
- Strekova L. N.** see Arutyunov V. S.
- Strizhak P. A.** see Antonov D. V.
- Tochilin S. N.** see Basakina S. S.
- Tochilin S. N.** see Komissarov P. V.
- Tolochko B. P.** see Kalmykov P. I.
- Tropin D. A. and Lavruk S. A.** Numerical simulation of the interaction of heterogeneous detonation with the porous insert of different geometry 1 70–75
- Tropin D. A. and Vyshegorodcev K. A.** Mathematical modeling of cellular detonation wave suppression by system of inert porous bodies 1 55–62
- Troshin K. Ya.** see Arutyunov A. V.
- Troshin K. Ya.** see Arutyunov V. S.
- Vakorina G. S.** see Yankovsky B. D.
- Valyano G. E.** see Yankovsky B. D.
- Vershinina K. Yu., Dorokhov V. V., Nyashina G. S., Romanov D. S., Skoryupin V. V., and Shvedov D. K.** Thermal decomposition and combustion of composite pelletized fuels 4 90–99
- Vlasov P. A.** see Akhunyanov A. R.
- Vlasov P. A.** see Arutyunov A. V.
- Volkov R. S.** see Antonov D. V.
- Vorob'ev A. B.** see Inozemtsev A. V.
- Vorob'ev A. B.** see Miroshnichenko E. A.
- Vorob'ev A. B.** see Silantiev A. S.
- Vyshegorodcev K. A.** see Tropin D. A.
- Yakovenko I. S.** see Kiverin A. D.
- Yankovsky B. D., Arsenov P. A., Dolgoborodov A. Yu., Vakorina G. S., and Valyano G. E.** Features of ignition of the thermite mixture Al/CuO by electric discharge 2 86–95
- Yatsenko P. I.** see Bystrov N. S.