Publikace dle WOS

Authors	Title	WOS Source Title	Year
Zeman, S; Shu, YJ; Friedl, Z; Vagenknecht, J	Thermal reactivity of some nitro- and nitroso-compounds derived from 1,3,5,7-tetraazabicyclo[3.3.1]nonane at contamination by ammonium nitrate	JOURNAL OF HAZARDOUS MATERIALS	2005
Liao, LQ; Yan, QL; Zheng, Y; Song, ZW; Li, JQ; Liu, P	Thermal decomposition mechanism of particulate core-shell KClO3-HMX composite energetic material	INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES	2011
Dong, XF; Yan, QL; Zhang, XH; Cao, DL; Xuan, CL	Effect of potassium chlorate on thermal decomposition of cyclotrimethylenetrinitramine (RDX)	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	2012
Yan, QL; Zeman, S; Elbeih, A; Song, ZW; Malek, J	The effect of crystal structure on the thermal reactivity of CL-20 and its C4 bonded explosives (I): thermodynamic properties and decomposition kinetics	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	2013
Yan, QL; Zeman, S; Zhao, FQ; Elbeih, A	Noniso-thermal analysis of C4 bonded explosives containing different cyclic nitramines	THERMOCHIMICA ACTA	2013
Yan, QL; Zeman, S; Sanchez-Jimenez, PE; Zhao, FQ; Perez-Maqueda, LA; Malek, J	The effect of polymer matrices on the thermal hazard properties of RDX-based PBXs by using model-free and combined kinetic analysis	JOURNAL OF HAZARDOUS MATERIALS	2014
Wang, YL; Zhao, FQ; Ji, YP; Yan, QL; Yi, JH; Xu, SY; Luo, Y; Lu, XM	Synthesis and thermal behaviors of 1,8-dihydroxy-4,5-dinitroanthraquinone barium salt	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	2014
Zeman, S; Yan, QL; Gozin, M; Zhao, FQ; Akstein, Z	Thermal behavior of 1,3,5-trinitroso-1,3,5-triazinane and its melt-castable mixtures with cyclic nitramines	THERMOCHIMICA ACTA	2015
Yan, QL; Zeman, S; Zhang, XH; Malek, J; Xie, WX	The mechanisms for desensitization effect of synthetic polymers on BCHMX: Physical models and decomposition pathways	JOURNAL OF HAZARDOUS MATERIALS	2015
Yan, QL; Zeman, S; Zhang, JG; Qi, XF; Li, T; Musil, T	Multistep Thermolysis Mechanisms of Azido-s-triazine Derivatives and Kinetic Compensation Effects for the Rate-Limiting Processes	JOURNAL OF PHYSICAL CHEMISTRY C	2015
Yan, QL; Musil, T; Zeman, S; Matyas, R; Shi, XB; Vlcek, M; Pelikan, V	Preparation, morphologies and thermal behavior of high nitrogen compound 2-amino-4,6-diazido-s-triazine and its derivatives	THERMOCHIMICA ACTA	2015
Yan, QL; Zhao, FQ; Kuo, KK; Zhang, XH; Zeman, S; DeLuca, LT	Catalytic effects of nano additives on decomposition and combustion of RDX-, HMX-, and AP-based energetic compositions	PROGRESS IN ENERGY AND COMBUSTION SCIENCE	2016
Liu, N; Li, YN; Zeman, S; Shu, YJ; Wang, BZ; Zhou, YS; Zhao, QL; Wang, WL	Crystal morphology of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DNTF) in a solvent system: molecular dynamics simulation and sensitivity study	CRYSTENGCOMM	2016
Liu, N; Zeman, S; Shu, YJ; Wu, ZK; Wang, BZ; Yin, SW	Comparative study of melting points of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DNTF)/1,3,3-trinitroazetidine (TNAZ) eutectic compositions using molecular dynamic simulations	RSC ADVANCES	2016
Zeman, S; Liu, N; Jungova, M; Hussein, AK; Yan, QL	Crystal lattice free volume in a study of initiation reactivity of nitramines: Impact sensitivity	DEFENCE TECHNOLOGY	2018
Zeman, S; Liu, N; Jungova, M; Hussein, AK; Yan, QL	Crystal lattice free volume in a study of initiation reactivity of nitramines: Friction sensitivity	DEFENCE TECHNOLOGY	2018
Dong, J; Yan, QL; Liu, PJ; He, W; Qi, XF; Zeman, S	The correlations among detonation velocity, heat of combustion, thermal stability and decomposition kinetics of nitric esters	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	2018
Liu, N; Wang, K; Shu, YJ; Zeman, S; Wang, BZ; Wang, WL	Comparative Theoretical Investigation on Energetic Substituted Furazanyl Ethers	CENTRAL EUROPEAN JOURNAL OF ENERGETIC MATERIALS	2018
Zeman, S; Liu, N; Hussein, AK	The role of crystal lattice free volume in nitramine detonation	DEFENCE TECHNOLOGY	2019
Zeman, S; Liu, N; Hussein, AK	Crystal lattice free volume and thermal decomposition of nitramines	DEFENCE TECHNOLOGY	2019
Zeman, S; Liu, N	A new look on the electric spark sensitivity of nitramines	DEFENCE TECHNOLOGY	2020

Publications co-authored by the University of Pardubice and Xi'an Modern Chemistry Research Institute (20) and China Academy of Engineering Physics (1)

Publikace dle SCOPUS

Authors	Title	Scopus Source title	Year
Liao, L.-Q.| Yan, Q.-L.| Zheng, Y.| Song, Z.-W.| Li, J.-Q.| Liu, P.	Thermal decomposition mechanism of particulate core-shell KCLO3-HMX composite energetic material	Indian Journal of Engineering and Materials Sciences	2011
Dong, X.-F.| Yan, Q.-L.| Zhang, X.-H.| Cao, D.-L.| Xuan, C.-L.	Effect of potassium chlorate on thermal decomposition of cyclotrimethylenetrinitramine (RDX)	Journal of Analytical and Applied Pyrolysis	2012
Qi, X.-F.| Zhang, X.-H.| Song, Z.-W.| Yan, Q.-L.| Liu, F.-L.| Li, J.-Q.	Combustion characteristics of CMDB propellant containing Mg/Al mechanical alloy	Huozhayao Xuebao/Chinese Journal of Explosives and Propellant	2012
Yan, Q.-L.| Zeman, S.| Elbeih, A.| Song, Z.-W.| Málek, J.	The effect of crystal structure on the thermal reactivity of CL-20 and its C4 bonded explosives (I): Thermodynamic properties and decomposition kinetics	Journal of Thermal Analysis and Calorimetry	2013
Yan, Q.-L.| Zeman, S.| Zhao, F.-Q.| Elbeih, A.	Noniso-thermal analysis of C4 bonded explosives containing different cyclic nitramines	Thermochimica Acta	2013
Yan, Q.-L.| Zeman, S.| Sánchez Jiménez, P.E.| Zhao, F.-Q.| Pérez-Maqueda, L.A.| M	The effect of polymer matrices on the thermal hazard properties of RDX-based PBXs by using model-free and combined kinetic analysis	Journal of Hazardous Materials	2014
Wang, Y.-L.| Zhao, F.-Q.| Ji, Y.-P.| Yan, Q.-L.| Yi, J.-H.| Xu, S.-Y.| Luo, Y.| Lu, X.-M.	Synthesis and thermal behaviors of 1,8-dihydroxy-4,5-dinitroanthraquinone barium salt	Journal of Analytical and Applied Pyrolysis	2014
Li, L.| Yan, Q.-L.| Qi, X.-F.| Yu, H.-J.	Combustion characteristics and thermal behavior of modified double base propellant containing TNAD	Hanneng Cailiao/Chinese Journal of Energetic Materials	2014
Yan, Q.-L.| Zeman, S.| Zhang, J.-G.| Qi, X.-F.| Li, T.| Musil, T.	Multistep Thermolysis Mechanisms of Azido-s-triazine Derivatives and Kinetic Compensation Effects for the Rate-Limiting Processes	Journal of Physical Chemistry C	2015
Yan, Q.-L.| Musil, T.| Zeman, S.| Matyáš, R.| Shi, X.-B.| Vlček, M.| Pelikán, V.	Preparation, morphologies and thermal behavior of high nitrogen compound 2-amino-4,6-diazido-s-triazine and its derivatives	Thermochimica Acta	2015
Yan, Q.-L.| Zeman, S.| Zhang, X.-H.| Málek, J.| Xie, W.-X.	The mechanisms for desensitization effect of synthetic polymers on BCHMX: Physical models and decomposition pathways	Journal of Hazardous Materials	2015
Zeman, S.| Yan, Q.-L.| Gozin, M.| Zhao, F.-Q.| Akštein, Z.	Thermal behavior of 1,3,5-trinitroso-1,3,5-triazinane and its melt-castable mixtures with cyclic nitramines	Thermochimica Acta	2015
Yan, Q.-L.| Zhao, F.-Q.| Kuo, K.K.| Zhang, X.-H.| Zeman, S.| DeLuca, L.T.	Catalytic effects of nano additives on decomposition and combustion of RDX-, HMX-, and AP-based energetic compositions	Progress in Energy and Combustion Science	2016
Liu, N.| Li, Y.-N.| Zeman, S.| Shu, Y.-J.| Wang, B.-Z.| Zhou, Y.-S.| Zhao, Q.-L.| Wan	Crystal morphology of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DNTF) in a solvent system: Molecular dynamics simulation and sensitivity study	CrystEngComm	2016
Liu, N.| Zeman, S.| Shu, Y.-J.| Wu, Z.-K.| Wang, B.-Z.| Yin, S.-W.	Comparative study of melting points of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DNTF)/1,3,3-trinitroazetidine (TNAZ) eutectic compositions using molecular dynamic simulations	RSC Advances	2016
Zeman, S.| Liu, N.| Jungová, M.| Hussein, A.K.| Yan, Q.-L.	Crystal lattice free volume in a study of initiation reactivity of nitramines: Impact sensitivity	Defence Technology	2018
Dong, J.| Yan, Q.-L.| Liu, P.-J.| He, W.| Qi, X.-F.| Zeman, S.	The correlations among detonation velocity, heat of combustion, thermal stability and decomposition kinetics of nitric esters	Journal of Thermal Analysis and Calorimetry	2018
Zeman, S.| Liu, N.| Jungová, M.| Hussein, A.K.| Yan, Q.-L.	Crystal lattice free volume in a study of initiation reactivity of nitramines: Friction sensitivity	Defence Technology	2018
Liu, N.| Wang, K.| Shu, Y.| Zeman, S.| Wang, B.| Wang, W.	Comparative theoretical investigation on energetic substituted furazanyl ethers	Central European Journal of Energetic Materials	2018
Zeman, S.| Liu, N.| Hussein, A.K.	Crystal lattice free volume and thermal decomposition of nitramines	Defence Technology	2019
Zeman, S.| Liu, N.| Hussein, A.K.	The role of crystal lattice free volume in nitramine detonation	Defence Technology	2019
Zeman, S.| Liu, N.	A new look on the electric spark sensitivity of nitramines	Defence Technology	2020
Pang, J.| Capek, J.	Factors Influencing Researcher Cooperation in Virtual Academic Communities Based on Principal Component Analysis	Acta Informatica Pragensia	2020

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