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Alexander L. Gusev, MD

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Education

- Nov 1989 – Apr 1995* **Scientific - production association " Cryogenmash " Graduate School**
Research engineer, Space technology , cryogenic , vacuum technology ,
pneumatic technology
Balashikha, MO, Russia
- Jun 1978 – Jun 1983* **Military Engineering Institute named after AF Mozhajskij (Military Space Academy named after AF Mozhajskij)**
MS, Solid State Physics, Chemistry , Thermodynamics , Aerodynamics , Gas
dynamics , Hydrodynamics , Ballistics , Space Technology
St. Petersburg, Russia

Thesis

Research Experience

- Feb 2005 – Jul 2010* **Head of Group in Institute of Experimental Gas Dynamics and Detonation Physics**
Russian Federal Nuclear Center - The All-Russian Research Institute of
Experimental Physics, Institute of Experimental Gas Dynamics and Detonation
Physics
Sarov, Russia
- Head of Group in Institute of Experimental Gas Dynamics and Detonation
Physics
Russian Federal Nuclear Center - The All-Russian Research Institute of
Experimental Physics
- Mar 2000 – Feb 2005* **Head of Research Group**
Russian Federal Nuclear Center - The All-Russian Research Institute of
Experimental Physics, Designer Department (RFNC-VNIIEF)
Sarov, Russia
- Nov 1999 – present* **General Director**
Scientific Technical Centre "TATA" Limited,

Sarov, Nizjniy Novgorod, Russia

Mar 1995 – Jul 2000 **Head of Group**
Russian Federal Nuclear Center - The All-Russian Research Institute of
Experimental Physics, Institute of Nuclear and Radiation Physics
Sarov, Russia

Aug 1983 – Mar 1995 **Test engineer**
Cosmodrome " Baikonur ",
,

Statistics

RG Score 12.77

Publications 343

Reads 6,189

Citations 167

Awards & Grants

- Sep 2015* Award: Laureate of "Russian Olympus - 2015 " in the nomination "For the great contribution to the development of new energy technologies ."
- Jun 2015* Scholarship: Serbian Royal Academician (state) of the Academy of Science and Art
- Jun 2015* Award: HONORARY AWARD MARK WINNER Prokhorovsky
- Jun 2015* Award: Laureate Diploma Prokhorov Prize 2015 for a series of pioneering scientific work " The effect of electrically induced selective drift of solvated ions in the salt solutions in polar dielectric liquids "
- Feb 2013* Award: Supreme Order of public recognition "Honorary Citizen of Russia" . For many years of fruitful activities contributing to the development of the Russian Federation
- Jan 2011* Award: Russian Energy Olympus diploma in the nomination " Leader of the Year" (2011) .
- Aug 2009* Grant: ISTC # №3658p ISTC Partner Project (STC "TATA" - The company " Nissan Motor ")
- Jan 2009* Award: Awarded the honorary title "Veteran of nuclear energy and industry " Order №1117 / a dated 18 August 2009 (the State Corporation for Atomic Energy "Rosatom" .
- Oct 2007* Award: Medal of Federation of Cosmonautics of Russia " medal KE Tsiolkovsky " in 2007 . ("For Services to astronautics ") . Federation of Cosmonautics .

- Jan 2007* Award: Medal of Federation of Cosmonautics of Russia "50 years of the space age " in 2007 .
- Feb 2003* Grant: ISTC IFSSEHT 2003 " The Second International Symposium " Safety and Economy of Hydrogen Transport "
- Sep 2002* Grant: Development and Study of Detectors for Hydrogen Detection and Registration (Hydrogen detectors)
- Nov 1987* Award: Diploma of entering into use and modernization of vacuum station for testing integrated leakage space station "Mir". Signed Acting commander of the military unit 57275 Lieutenant General Aviation cosmonaut Gherman Titov

Skills & Activities

Skills Material Characterization, Materials, Nanomaterials, Synthesis, Nanomaterials Synthesis, Adsorption, Microstructure, Porous Materials, Mesoporous Materials, Hydrogen Storage, Nano-Catalysis, Hydrogen Production, Gas Adsorption, Hydrogen Generation, Green Chemistry Technology, Catalyst Characterization, Materials Testing, Advanced Materials, Mechanical Properties, Kinetics, Chemical Application, Reaction Kinetics, Solar Energy, Carbon Nanomaterials, Experimental Physics, Radiation Detection, Hydrogen Energy, Surface Properties, Heterogeneous Catalysis, Catalyst Synthesis, Cryogenics, Energy, Cryogenics Engineering, Fluid Dynamics, Mechanics, Vehicle Dynamics, Electrochemistry, Games, Carbon Nanotubes, Telecommunications Engineering, Piping, Higher Education, Graphene-based Materials, Catalyst, Thermodynamics, Transition Metal Oxides, Nuclear Engineering, Nanotechnology, Photoconductivity, Chemical Engineering, Communication Engineering, Materials Chemistry, Green Chemistry, Technology Development, Nanotubes, Catalysis, BET, Water Splitting, X-ray Diffraction, Transition Metal, Graphite, Electrochromic Devices, FTIR-RAMAN, Research And Development, Graphene Sheets, Science Journalism, Space Weather, Raman Spectroscopy, Mathematical Physics, Space Physics, Plasma Physics, Theoretical Physics, Ionospheric Physics, Materials for Energy Applications, Polymer Chemistry, Composites, Thin Films, Lithium Ion Batteries, Solid Oxide Fuel Cells, Geochemistry, Physical Chemistry, Spectroscopy, Materials Science, Condensed Matter Physics, Ecology, Patents, Gas, Invention, steam reforming of ethanol, Gases, Detectors, Oxygen, Nano, Electrochromics, Devices, Rhodium, Coordination, Hydrogen sensors, Hydrogen, Heat, Space Technology, Space Technology for Development, Cryology, Temperature, Cryosorption, Hydrogen recombiners, Space Vehicles, photochromic materials, Leak test, Alternative energy and ecology, Thermoelectric systems, Palladium, Binary Ice, superinsulation, Nuclear, CRYOGENIC TANKS, cathode materials, MATERIALS FOR SUPERCAPACITORS, ENERGY OBJECTS, MWCNT, electrochromic film, PHOTOCHROMIC TRIPLEX, CRYOGENIC PIPELINE,

CRYOGENIC RESERVOIR, vacuum pump, ELECTROCHROMIC SYSTEMS, hydrogen on-board storage, hydrogen accumulator, MODERN PUBLISHING PLATFORM, manganese dioxide palladium, Multi-Layer Insulation, Liquid hydrogen tank car, Zeolites, Fuel Cells, PEM Fuel Cells, Physisorption of molecular hydrogen, Cryopump, Regeneration of a cryopump, Vacuums and Vacuum Technology, Nano - composites Membranes for clearing Chlorine, flexible transparent electrochromic film, PHOTOCROMIC POLYMERIC TRIPLEX, Exergy Analysis, Exergy, High Vacuum, Solar Cells, Solar Collectors, Solar Cooling, Solar Energy Conversion, Concentrated Solar Power, Hydrogen Cars, Hydrogen safety, Connectivity, Nanocomposites, Graphene Nanocomposites, Polymer Nanocomposites, composite membranes, Palladium Nanoclusters, Hydrogen gas sensors

Languages English, German, Russian

Scientific Memberships International Association of Hydrogen Energy,
International Association of Alternative Energy and Ecology
Serbian Royal Academician of the Academy of Science and Art

Interests Freestyle wrestling , hiking, climbing , swimming , reading, literature , history of engineering and technology , arts, decorative arts , poetry , yachts , communicating with animals , visit the botanical gardens , sea tour .

Publication Highlights

[authors]: [title]. [details]

Books

Alexander L. Gusev, K.P. Latyshenko, S.A. Garelina, M.A. Kazaryan: *K.P. Latyshenko , S.A. Garelina , A.L. Gusev , M.A. Kazaryan. Technical evaluation of buildings and structures . Part 2: Textbook. Scientific - Technical Center " Tata " , Sarov 2014 , 299 pages.. Scientific - Technical Center " Tata " , Sarov edited by K.P. Latyshenko , S.A. Garelina , A.L. Gusev , M.A. Kazaryan., 04/2014; Scientific - Technical Center " Tata " , Sarov., ISBN: 987-5-904105-30-3, DOI:10.13140/RG.2.2.11232.07686*

Alexander L. Gusev, SA Garelina, AL Gusev, M.A. Kazaryan: *K.P. Latyshenko , S.A. Garelina , A.L. Gusev , M.A. Kazaryan. Technical evaluation of buildings and structures . Part 1: Textbook . Publishing Limited Liability Company Scientific - Technical Center " Tata " , Sarov 2014 , 257 pages.. First edited by KP Latyshenko , SA Garelina , AL Gusev , MA Kazaryan., 04/2014; Scientific - Technical Center " Tata " , Sarov., ISBN: 987-5-904105-30-3, DOI:10.13140/RG.2.2.24653.84969*

Alexander L. Gusev: *A.L. Gusev, Yu.A. Trutnev, T.N. Veziroglu, A.G. Galeev, V.A. Goltsov, Yu.P. Dyadyuchenko, A.Ya. Stolyarevsky, V.V.Kopytov and other. The history of the use of hydrogen and synthesis gas for defense. (History of weapons and military art), Russia, Sarov, Scientific-Innovative Center "Laboratory of Safety Technologies" and STC "TATA", 31.05.2012, P.295.. A.L. Gusev, Yu.A. Trutnev, T.N. Veziroglu, A.G. Galeev, V.A. Goltsov, Yu.P. Dyadyuchenko, A.Ya. Stolyarevsky, V.V.Kopytov*

and other edited by A.L. Gusev, 05/2012; Scientific-Innovative Center "Laboratory of Safety Technologies"., ISBN: 2304-6023

Alexander Leonidovich Gusev, Popkova V.Ya, Wolfgang Plischke, Avtomonov E., Ristic V., Vollmer M., Richter F., Halpaap R., Meier-Westhues U., Gebauer-Henke E., Blumenthal L., Prokofieva A., Vogt H., Voss G., Müller T.E., Kraynov A., Leitner W., Leimkuehler H.-J, Jupke A., Pinnow S., Moussallem I., Turek T., Pires R., Hagen R., Rölle T., Fäcke T., Mutter M., Schwan P., Traving M., Becker C., Bäcker W.: *Special edition ISJAE, dedicated to Bayer AG*. Scientific Technical Centre "TATA" (Russia, Sarov) edited by Alexander L. Gusev, V.Ya. Popkova, T.Nejat Veziroglu, 04/2010; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298

Alexander L. Gusev, Ludmila F. Liman, Yuri A. Trutnev, T.Nejat Veziroglu: *Zero-emission Vehicles*. Editors Alexander L. Gusev, Yuri A. Trutnev, T.Nejat Veziroglu and Ludmila F. Liman. Proceedings I edited by Alexander L. Gusev, Yu.A. Trutnev, T.Nejat Veziroglu and Ludmila F. Liman, 01/2010; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.23416.85764

Alexander L. Gusev, T.Nejat Veziroglu, Yu.A. Trutnev, Vera Ya Popkova: *MOTING INNOVATION THROUGH COOPERATION*. Editors Alexander L. Gusev and T.Nejat Veziroglu. Proceedings I edited by Alexander L. Gusev, Yu.A. Trutnev, T.Nejat Veziroglu and Vera Ya. Popkova, 01/2010; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.36838.63045

Alexander L. Gusev, A. Mezrhab, M. Rabhi, O. Sow, T. Maré, J. Miriel, M. Adj, C. Tahya, P. Tittlein, E. Wurtz, G. Achard, T. Ait-Taleb, A. Abdelbaki, Z. Zrikem, F. Hachami, R. Salghi, M. Mihit, L. Bazzi, K. Serrano, A. Hormatallah, M. Hilali, M. Idali Oumhand, Y. Mir, M. Khalis, M. Zazoui, A. Ihlal, K. Bouabid, D. Soubane, A. Elfanaout, E. Elhamri, M. Nya, G. Nouet, M. Kamta, O. Bergossi, H. Kazeoui, A. Tahakourt, A. Ait-Mokhtar, R. Belarbi, Z. Kebab, M. Medles, F. Miloua, R. Miloua, F. Chiker, N. Benramdane, L. Linguet, T. Makayssi, M. Naimi, M. Lamsaadi, M. Hasnaoui, A. Raji, A. Bahlaoui, A. Arbaoui, N. Achargui, D. Morau, J.P. Praene, L. Adelard, J.-C. Gatina, I. Ouedraogo, A. Ouedraogo, K. Palm, B. Zeghmati, F. Lucas, F. Garde, H. Boyer, A. Ferriere, S. Goujon-Durand, P. Vasseur, R. El Ayachi, M. Naïmi, M. Salhi, R. El-Bachtiri, E. Matagne, K. Ouari, A. Bouzidi H. Tabet-Draz, R. Desfeux, A. Merouani, H. Amardjia-Adnani, R. Maouedj, S. Bousalem, B. Benyoucef, F. Massouh, I.K. Dobrev, N. Hezil, K. Guerfi, S. Hazourli, A. Hammadi, S. Zeroual, B. Hammouti, S. El Issami, E. Ait Addi, L. Royon, Y. Gagou, E. Padayodi, K.-E. Atcholi, P. Saint-Grégoire, A. Kemajou, T. Tamo Tatietse, B.S. Diboma, I. Saadoune, M. Dahbi, M. Yahya, A. Almaggoussi, E. Gourri, M. Ez-Zahery, N. Elalem, R.-V. Joule, F. Bernard, S. Halimi-Falkowicz, N. Ouslimani, M. Maallem, L. Aiche-Hamane, J. M'Boliguipa, A. Kemajou, M. Dupont, I. Dobrev, A.D. Samate, C. Laurent, G. Notton, C. Cristofari, J.L. Canaletti, P. Poggi, M. Muselli, N. Heraud, L. Daoudi: *Special issue of the International Scientific Journal for Alternative Energy and Ecology, devoted to France and french speaking (or partially french speaking) countries of the south*. Proceedings 2 Editors: Alexander L. Gusev, Pierre Saint-Gregoire, T.Nejat Veziroglu, Yuri A. Trutnev.. Proceedings 2 edited by Alexander L. Gusev, Pierre Saint-Gregoire, T.Nejat Veziroglu, Yuri A. Trutnev., 09/2008; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298

Alexander L. Gusev, Pierre Saint-Gregoire, T.Nejat Veziroglu, Yuri A. Trutnev, L.Aiche-Hamane, M.Belhamel, M.Hamane, A. Bouzidi, N. Benramdane, M. Medles, S. Bresson, C. Mathieu, B. Khelifa, R. Desfeux, M. El Marssi, S. Ben Ahmed, M.M. Tlili, M. Ben Amor, J.L. Canaletti, G. Notton, C. Cristofari, H. Chemani, B. Chemani, A. El Jouni, R. El Bachtiri, S. Bousalem, R. Maouedj, B.

Benyoucef, A. Coustou, R. Calif, R. Blonbou, I.K. Dobrev, F. Massouh, M. Chennani, I. Salhi, S. Doubabi, K. Benrachedi, L. Essaleh, M. Boukendil, A. Abdelbaki, Z. Zrikem, O. Curea, H. Camblong, A. Llaría, I. Vechiu, D. Marin, L. Daoudi, M.E. Saidi, B. Djahed, Y. Amar, A.B. Kandouci, A. Taleb, S. Lebid, M. Anani, F. Toumi (Benali, M. Benyahia, A. Rahmani, M. Aicha, F. Toumi, M. Aroussi, K. Boulaajoul, J.P. Dallas, S. Villain, J.A. Musso, M. Mesnaoui, A. Sedki: *Special issue of the International Scientific Journal for Alternative Energy and Ecology, devoted to France and french speaking (or partially french speaking) countries of the south. Proceedings 1* Editors: Alexander L. Gusev, Pierre Saint-Gregoire, T.Nejat Veziroglu, Yuri A. Trutnev.. Proceedings I edited by Alexander L. Gusev, Pierre Saint-Gregoire, T.Nejat Veziroglu, Yuri A. Trutnev, 08/2008; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.22490.34246

Alexander L. Gusev, Yu.A. Trutnev, T.Nejat Veziroglu: *WCAEE - 2006 (Congress Volga) - Proceedings 5* Editors Alexander L. Gusev and T.Nejat Veziroglu. Proceedings 5 edited by Alexander L. Gusev and T.Nejat Veziroglu, 12/2006; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298

Alexander L. Gusev, Yu.A.Trutnev, T.Nejat Veziroglu: *WCAEE - 2006 (Congress Volga) - Proceedings 4* Editors Alexander L. Gusev (Russia, Sarov) and T.Nejat Veziroglu (USA, Miami). Proceedings 4 edited by A.L. Gusev, Yu.A.Trutnev, T.N. Veziroglu,, 11/2006; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.10004.91524

Alexander L. Gusev, T.Nejat Veziroglu, Yu.A. Trutnev: *WCAEE - 2006 (Congress Volga) - Proceedings 3* Editors Alexander L. Gusev and T.Nejat Veziroglu. Proceedings 3 edited by Alexander L. Gusev and T.Nejat Veziroglu, 08/2006; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298

Alexander L. Gusev, T.N. Veziroglu, Yu.A.Trutnev: *WCAEE - 2006 (Congress Volga) - Proceedings 2* Editors A.L. Gusev and T.N. Veziroglu. Proceedings 2 edited by A.L. Gusev, T.N. Veziroglu, Yu.A.Trutnev, 08/2006; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.16715.80161

Alexander L. Gusev, T.N.Veziroglu, Yu.A.Trutnev: *WCAEE - 2006 (Congress Volga) - Proceedings 1* Editors A.L. Gusev and T.N. Veziroglu. Proceedings I edited by A.L. Gusev, T.N. Veziroglu, Yu.A.Trutnev, 08/2006; Scientific Technical Centre "TATA"., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.23426.68807

Alexander L. Gusev, T.Nejat Veziroglu: *Proceedings 6; WCAEE - 2006 (Congress Volga);* Editors Alexander L. Gusev and T.Nejat Veziroglu. Proceedings 6 edited by Alexander L. Gusev and T.Nejat Veziroglu, 07/2006; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298

Alexander L. Gusev, T.Nejat Veziroglu: *IFSSEHT-2003 Second International Symposium on Safety and Economy of Hydrogen Transport. (Hydrogen transport -2003) - Proceedings 1* Editors Alexander L. Gusev and T.Nejat Veziroglu. Proceedings I edited by Alexander L. Gusev and T.Nejat Veziroglu, 01/2003; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.13360.35843

Alexander L. Gusev, T.Nejat Veziroglu: *IFSSEHT-2000 (Hydrogen Transport) - Sarov - 2000 - Proceedings 1* Editors Alexander L. Gusev and T.Nejat Veziroglu. Proceedings I edited by Alexander L. Gusev and

T.Nejat Veziroglu, 07/2000; Scientific Technical Centre "TATA" (Russia, Sarov)., ISBN: ISSN 1608-8298, DOI:10.13140/RG.2.2.30137.57442

Book Chapters

- A. L. Gusev, V. M. Belousov, I. V. Bacherikova, L. V. Lyashenko, E. V. Rozhkova: *Hydrogen Sensor for Cryogenic Vacuum Objects*. Hydrogen Materials Science and Chemistry of Metal Hydrides, 01/2002: pages 41-47; , ISBN: 978-1-4020-0731-6, DOI:10.1007/978-94-010-0558-6_5
- A.L. Gusev, V.M. Belousov, I.V. Bachericova, E.V. Rozhkova: *Hydrogen Sensor for Cryogenic vacuum objects*. Abstracts book of NATO International Conference Katsiveli, Yalta, Ukraine September 02-08, 1999, p.370; A.L. Gusev, V.M. Belousov, I.V. Bachericova, E.V. Rozhkova. Hydrogen Sensor for Cryogenic vacuum objects. Book full-text of NATO International Conferenc, 09/1999: pages p.370;
- Alexander L. Gusev: *Gusev AL Probe - leak valve leak detector*. Collection №12. Create, invent , try . Baikonur Cosmodrome . 1988. PP. .35-36 .. 01/1988: pages 35-36;
- Alexander L. Gusev: *Gusev AL, Chernyak NV Calculation and installation of a thermoelectric refrigerator analysis for technical gases with a specified moisture content . Collection of scientific papers. Moscow State University . MV Lomonosov Moscow State University , Faculty of Mathematics . 1982. 28 pp. The diploma for the best student work. Collection of scientific papers. Moscow State University . MV Lomonosov Moscow State University , Faculty of Mathematics . 1982., 01/1982;*

Journal Publications

- Alexander L. Gusev: *Alexander L.Gusev. Binary ice, its properties and applications in scientific research, climate control and low-temperature heat setting objects.*//*Alternative Energy and Ecology*, 2016, in print..
- S. A. Baskakov, Y. V. Baskakova, V. M. Martynenko, A. S. Lobach, S. A. Vasiliev, Y. M. Shulga, A. A. Arbuzov, A. A. Volodin, Y. M. Volkovich, V. E. Sosenkin, N. Y. Shulga, Y. N. Parkhomenko, A. Michtchenko, Yogesh Kumar, A. L. Gusev: *COMPOSITE OF GRAPHENE OXIDE AND HUMIC ACIDS: RESULTS OF HIGH-TEMPERATURE TREATMENT*. 06/2016;, DOI:10.15518/isjaee.2016.09-10.025-042
- S A Garelina, A L Gysev, R A Zakharyan, M A Kazaryan, G Martoyan, V I Sachkov, I N Feofanov: *The efficiency of rare elements used for hydrogen production from polymer waste*. 01/2016; 112(1):012008., DOI:10.1088/1757-899X/112/1/012008
- Garelina S.A., Gysev A.L., Zakharyan R.A., Kazaryan M.A., Lunin B.S., Feofanov I.N.: *EXPERIENCE OF APPLICATION DATA DIFFERENTIAL THERMAL ANALYSIS TO REDUCE INTERNAL STRESSES DURING POLYMERIZATION OF ADHESIVES, SUITABLE FOR THE ASSEMBLY OF ELECTRO-MECHANICAL DEVICES*. 09/2015;, DOI:10.15518/isjaee.2015.17-18.013
- Alexander L. Gusev, Kazaryan M.A., Shamanin I.V., Trutnev Y.A., Sachkov V.I.: *Gusev A.L., Kazaryan M.A., Shamanin I.V., Trutnev Y.A., Sachkov V.I. Improvement of technologies of processing of nuclear raw materials by tapping non-conventional methods of selection and purification of substances.*//*Russian Physics Journal*, ISSN: 0021-3411, 58, 2015, 7-2 , PP.11-23.

Gusev A.L., Kazaryan M.A., Shamanin I.V., Trutnev Y.A., Sachkov V.I.: *Gusev A.L., Kazaryan M.A., Shamanin I.V., Trutnev Y.A., Sachkov V.I. Improvement of technologies of processing of nuclear raw materials by tapping non-conventional methods of selection and purification of substances.*// *ИЗВЕСТИЯ ВЫСШИХ УЧЕБНЫХ ЗАВЕДЕНИЙ. ФИЗИКА* Издательство: Национальный исследовательский Томский государственный университет (Томск) ISSN: 0021-3411.

I.A. Makaryan, O.N. Efimov, A.L. Gusev: *I.A. Makaryan, O.N. Efimov, A.L. Gusev. ABOUT THE DEVELOPMENT OF NEW ELECTROCHROMIC NANOSTRUCTURED MATERIALS WITH REMOTE-CONTROL PROPERTIES*// *Alternative Energy and Ecology (ISJAEE)*, 2014, #8, pp.29-44.

I.A. Makaryan, O.N. Efimov, A.L. Gusev: *I.A. Makaryan, O.N. Efimov, A.L. Gusev. AT THE WORLD MARKET OF SMART ELECTROCHROMIC DEVICES*// *ALTERNATIVE ENERGY and ECOLOGY*, 2014, #3, pp.81-93.

BONDARCHUK OLEKSANDR B., LOBACH ANATOLY S., BASKAKOV SERGEY A., SPITSYNA NATALIA G., RYZHKOV ALEKSANDR V., KAZAKOV VALERY A.4 MICHTCHENKO ALEXANDER, GUSEV ALEXANDER L., MYSYK ROMAN D., SHULGA YURY M.:
BONDARCHUK OLEKSANDR B., LOBACH ANATOLY S., BASKAKOV SERGEY A., SPITSYNA NATALIA G., RYZHKOV ALEKSANDR V., KAZAKOV VALERY A.4 MICHTCHENKO ALEXANDER, GUSEV ALEXANDER L., MYSYK ROMAN D., SHULGA YURY M. SYNTHESIS AND CHARACTERIZATION OF GRAPHENE-BASED MATERIALS PRODUCED VIA THERMAL EXFOLIATION OF GRAPHENE OXIDE AND OF CLF 3 INTERCALATED GRAPHITE.// *Alternative Energy and Ecology (ISJAEE)*, 2014, 19, pp.14-27.

Alexander L. Gusev, Solomin E.V.: *Gusev A.L., Solomin E.V. Windpower engineering of China (brief review).*// *Alternative Energy and Ecology (ISJAEE)*, 2014, 17, pp.10-23.

Alexander L. Gusev: *A.L. Gusev. Photochromic and electrochromic triplexes for climate control systems./ Materials of the XIV international conference. Renewable energy in the 21st century. Crimea -2013. 20 years of the International Association of Academies of Sciences.* pp. 65 - 81..

А Л Гусев, М А Казарян, И В Ломов, Ю А Трутнев, И В Шаманин, А L Gusev, М А Kazaryan, I V Lomov, Yu A Trutnev, I V Shamanin: *ДЕЙСТВИЕ ВНЕШНЕГО АСИММЕТРИЧНОГО ЭЛЕКТРИЧЕСКОГО ПОЛЯ НА РАСТВОРЫ СОЛЕЙ В ДИЭЛЕКТРИЧЕСКИХ ЖИДКОСТЯХ: ФИЗИКА ПРОЦЕССА И ПРИЛОЖЕНИЯ AN EXTERNAL ASYMMETRIC ELECTRIC FIELD ACTION ON SOLUTIONS OF SALTS IN THE LIQUID DIELECTRICS: PHYSICS OF PROCESS AND APPLICATIONS.*

Alexander L. Gusev: *A.L. Gusev. CITATION INDEXES AND ANALYTICAL APPARATUS OF MODERN PUBLISHING PLATFORM*// *Alternative Energy and Ecology*, 2013, 4-1 (123), PP.87-91.

Alexander L. Gusev: *A.L. Gusev. Science Citation Index "plus - minus" considering applied effect and critical references for publication platform "Space"*// *Alternative Energy and Ecology*, 2013, 6-2 (128), PP.121-127.

Alexander L. Gusev: *A.L. Gusev. MARKET ANALYSIS OF PUBLISHING PLATFORM SERVICES FOR MANAGEMENT OF DISTRIBUTED BOARDS OF ELECTRONIC EDITIONS.*// *Alternative Energy and Ecology*, 2013, 4-1 (123), PP. 82-86.

Andrienko O.S., Gusev A.L., Egorov N.B., Zherin I.I., Kazaryan M.A., Obmurch K.V., Poleshchuk O.Kh: *Andrienko O.S., Gusev A.L., Egorov N.B., Zherin I.I., Kazaryan M.A., Obmurch K.V., Poleshchuk O.Kh.*

Study of sulfur isotopes by vibrational spectroscopy and quantum chemistry.//Alternative Energy and Ecology (ISJAE), 2013, 5-1, pp.75-81.

Yarmolenko O.V., Khatmullina K.G., Kurmaz S.V., Grachev V.P., Efimov O.N., Gusev A.L.: *Yarmolenko O.V., Khatmullina K.G., Kurmaz S.V., Grachev V.P., Efimov O.N., Gusev A.L. ELECTROCHEMICAL STUDIES OF ELECTROCHROMIC SYSTEM OF POLYANILINE/GEL ELECTROLYTE BASED ON CROSSLINKED HYPERBRANCHED POLYMERS.//Alternative Energy and Ecology (ISJAE), 2013, 14, pp.76-82.*

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