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ДАТА И МЕСТО РОЖДЕНИЯ

5 августа, 1989, СССР, Красноярск

НАУКОМЕТРИЧЕСКИЕ ПОКАЗАТЕЛИ

Индекс Хирша (h-index): 9 (WoS) 10 (Google Scholar)

Цитирования: 1308 (WoS), 1684 (Google Scholar)

Общее количество публикаций: 39

ОБРАЗОВАНИЕ

Бакалавр: физика (красный диплом)

Июнь 2006 — Июль 2010

Сибирский федеральный университет, Красноярск, Россия

Магистр: прикладные математика и физика (красный диплом)

Июль 2010 — Июнь 2012

Московский физико-технический институт (государственный университет), Москва, Россия

Название диплома: "Моделирование электронных свойств нанографена"

Аспирантура

Август 2012 — Декабрь 2015

Институт биохимической физики им. Н.М. Эмануэля РАН, Москва, Россия

К.ф.-м.н.

24/12/2015

Московский государственный университет имени М.В. Ломоносова, Москва, Россия

Название диссертации: "Особенности физико-химических свойств наноструктур на основе графена"

МЕСТО РАБОТЫ

Институт биохимической физики им.
Н.М. Эмануэля РАН, Москва, Россия

16/10/2010 — по н.в.

С.н.с

Национальный исследовательский
технологический университет МИСиС

18/12/2012 — по н.в.

н.с.

НАВЫКИ

Владение расчетными программными пакетами: Molecular modeling (HyperChem, GULP, LAMMPS), *ab initio* quantum-mechanical calculations (Quantum ESPRESSO, VASP, Siesta), Semi-empirical calculations (HyperChem), Tight-binding calculations (dOXON).
Знание языков программирования: C/C++, MatLab, HTML

РЕЦЕНЗЕНТ В НАУЧНЫХ ЖУРНАЛАХ

- Nanoscale
- Journal of Applied Physics
- Physica status solidi – rapid research letters
- Physical Chemistry Chemical Physics
- Superlattices and Microstructures
- Crystal
- Journal of Alloys and Compounds
- Journal of Vacuum Science and Technology

СОЦИАЛЬНАЯ АКТИВНОСТЬ

24/08/2009 – 28/08/2009 - Помощник секретаря конференции "Trends in nanomechanics and nanoengineering", Красноярск, Россия

05/2017 – 12/2017 - Член правления ЖСК "Спектр", Москва, Троицк, Россия

ПОВЫШЕНИЕ КВАЛИФИКАЦИИ

- 25/01/2009 – 05/02/2009 VII Winter school of theoretical physics «Introduction in the theory of nanostructures», Laboratory of theoretical physics of joint institute for nuclear research (LTP JINR), Dubna (Russia)
- 28/06/2009 – 04/07/2009 European Summer University "The Secrets of the Atomic Nucleus", UFR de Physique et ingénierie, Strasburg (France)
- 10/08/2009 – 20/08/2009 Summer school « Physics of elementary particles on the threshold of LHC », Protvino (Russia)
- 13/01/2011 – 15/01/2011 15th International Workshop on Computational Physics and Materials Science: Total Energy and Force Methods, The Abdus Salam International Center for Theoretical Physics (ICTP), Trieste, Italy
- 17/01/2011 – 21/01/2011 Hands-on Tutorial on Electronic Structure Computations, The Abdus Salam International Center for Theoretical Physics (ICTP), Trieste, Italy
- 18/07/2011 – 23/07/2011 Tutorial: Electronic structure with Elk Code, CECAM, EPFL, Lausanne, Switzerland
- 12/09/2011 - 16/09/2011 Nano and Giga Challenges in Electronics, Photonics and Renewable Energy, MSU, Moscow-Zelenograd
- 07/10/2011 – 12/10/2011 2011 World material Summit Student Congress, Washington DC, USA
- 04/03/2012 – 16/03/2012 43 IFF Spring School 2012 "Scattering Methods for Condensed Matter Research – Towards Novel Applications at Future Sources", Forschungszentrum, Jülich, Germany

НАГРАДЫ

(2008) - Scientific conference of students, graduate students and young scientists NKSF – XXXVII,

Siberian Federal University, Diploma third degree

(2008) - Fourteenth Russia scientific conference of students, graduate students and young scientists VNKSF - 14. Bashkir State University, Diploma

(2008) - Boundary value grant of the academician L. V. Kirensky - for achievements in the field of Mathematical and Physical Sciences, Certificate of awarding state scholarships Author

(2009) - Fifteenth Russia Conference of students, graduate students and young scientists VNKSF - 15 **(2009)** Kemerovo State University, Diploma for the best correspondence to the report section "Materials (including nanomaterials)"

(2009-2011) - Member and Fellow of the competition for senior students-profit foundation "Dynasty"

(2009) - Government scholarships Russia Federation undergraduate and postgraduate university

(2009) - Best student of Siberian Federal University, Diploma in the first place in the nomination "For success in Science and Technology"

(2011) Scholarships of Moscow Institute of Physics and Technology (state university) for outstanding scientific achievements

(2011-2012) - MIPT's increased scholarship for achievements in scientific research

(2012-2014) - Scholarship of the President of the Russian Federation for young scientists and graduate students engaged in advanced research and development in priority areas of modernization of the Russian economy

(2013) - International symposium "Physics of crystals 2013", diploma for the best correspondence to the report in youth section of the symposium

(2014-2015) - Scholarship of the President of the Russian Federation from among the full-time students of educational institutions of higher education and graduate full-time students of educational institutions of higher education and secondary vocational education and scientific organizations enrolled in the areas of training (specialties) corresponding to the priority areas of modernization and technological development of the Russian economy, state-accredited educational programs of higher education in the 2014/2015 academic year

(2016) - Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellowship for Overseas Researchers (Short-term)

ОПЫТ РАБОТЫ

13/10/2011-13/11/2010 - Приглашенный исследователь. Университет Гумбольдта, Берлин (Prof. Jochen Bruening)

08/04/2012-08/05/2012 - Приглашенный исследователь. Университет Гумбольдта, Берлин (Prof. Jochen Bruening)

17/02/2013-20/03/2013 - Приглашенный исследователь в рамках проекта FAEMCAR. Исследовательский центр естественных наук, Институт технической физики и материаловедения, Будапешт, Венгрия (Prof. Laszlo P. Biro)

03/03/2014-01/05/2014 - Приглашенный исследователь в рамках проекта FAEMCAR. Исследовательский центр естественных наук, Институт технической физики и материаловедения, Будапешт, Венгрия (Prof. Laszlo P. Biro)

08/04/2014-11/04/2014 - Приглашенный докладчик. Технический университет Дрездена, Германия (Prof. Gotthard Seifert)

07/09/2014-13/11/2014 - Приглашенный исследователь. Технический университет Дрездена, Германия (Prof. Gotthard Seifert)

21/08/2016-21/11/2016 - Стипендиат фонда JSPS. Национальный институт материаловедения, Цукуба, Япония (Prof. Dmitri Golberg)

14/10/2016 - Приглашенный докладчик. Университет Нагои, Япония, Prof. Irle's group "Low dimensional nanomaterials. Theoretical predictions and experimental support".

12/12/2016 - Приглашенный докладчик. Сколковский институт науки и технологий "SkolTech", Россия, Москва, Prof. Oganov's group "Two dimensional materials. Theory and Experiment".

УЧАСТИЕ В ГРАНТАХ

- Программа Президиума РАН "Фундаментальный исследования в нанотехнологиях и наноматериалах" (2011)
- РФФИ № 11-02-01453а (2011)

- Совместный Российско-Немецкий грант DFG 436 RUS 113/990/0-1 (2011-2012)
- РФФИ № 11-02-01453/12 (2012)
- РФФИ № 12-02-31261 (2012)
- ФЦП (Contract No.14.B37.21.1645)
- Fundamental and Applied Electromagnetics of Nano-Carbons “FAEMCAR” (No. FP7-PEOPLE-2012-IRSES)
- Стипендия президента Российской Федерации (приказ № 948 от 21 ноября 2012)
- РФФИ (Contract No. 14-13-01217)
- РФФИ (Contract No. 17-72-20223)
- РФФИ № 17-02-01095 (2017-2019)
- РФФИ № 17-51-150006 (2017-2019)
- Грант президента для поддержки молодых ученых (МК-3326.2017.2) (2017-2018)
- РФФИ "мол_а" №18-32-00682 (2018-2019)
- РФФИ #№.18-73-10135 (2018-2021)

СПИСОК ПУБЛИКАЦИЙ

1. P.B. Sorokin, P.V. Avramov, A.G. Kvashnin, **D.G. Kvashnin**, S.G. Ovchinnikov. Density functional study of <110> oriented thin silicon nanowires. Phys. Rev. B 77, 235417-235421 (2008) IF - 3.83 (Q2).
2. L.A. Chernozatonskii, P.B. Sorokin, A.G. Kvashnin, **D.G. Kvashnin**, Diamond-like C₂H nanolayer, diamane: Simulation of the structure and properties. JETP Lett. 90 (2), 134 (2009) (Q3).
3. A.G. Kvashnin, P.B. Sorokin, **D.G. Kvashnin**, Theoretical study of mechanical properties of graphene membranes by means of molecular mechanics, Journal of Siberian Federal University. Mathematics & Physics 2 (4), 426-431 (2009) (Q3).
4. P.B. Sorokin, **D.G. Kvashnin**, A.G. Kvashnin, P.V. Avramov, L.A. Chernozatonskii, Theoretical Study of Elastic Properties of SiC Nanowires of Different Shapes, J. Nanosci. Nanotechnol. 10, 4992-4997 (2010) (Q3).
5. P.B. Sorokin, A.G. Kvashnin, **D.G. Kvashnin**, J.A. Filicheva, P.V. Avramov, A.S. Fedorov, L.A. Chernozatonskii, Theoretical Study of Atomic Structure and Elastic Properties of Branched Silicon Nanowires, ACS Nano 4 (5), 2784-2790, (2010) IF - 13.94 (Q1).
6. L. Song, L. Ci, H. Lu, P.B. Sorokin, C. Jin, J. Ni, A.G. Kvashnin, **D.G. Kvashnin**, J. Lou, B.I. Yakobson, P.M. Ajayan, Large Scale Growth and Characterization of Atomic Hexagonal Boron Nitride Layers, Nano Lett., 10 (8), 3209-3215, (2010) IF - 12.71 (Q1).
7. A.G. Kvashnin, P.B. Sorokin, **D.G. Kvashnin**, The Theoretical Study of Mechanical Properties of Graphene Membranes, Fullerenes, Nanotubes and Carbon Nanostructures 18, 4-6, 497-500, (2010) (Q3).
8. L.A. Chernozatonskii, P.B. Sorokin, A.A. Kuzubov, B.P. Sorokin, A.G. Kvashnin, **D.G. Kvashnin**, P.V. Avramov, B.I. Yakobson, Influence of Size Effect on the Electronic and Elastic Properties of Diamond Films with Nanometer Thickness, J. Phys. Chem. C 115 (1), 132–136, (2011) IF - 4.77 (Q1).
9. L.A. Chernozatonskii, A.A. Artuh, **D.G. Kvashnin**, Formation of quantum dots due to the hydrogen adsorption on graphene nanoribbon, JETP Lett., 95(5), 266–270 (2012) IF - 1.35 (Q3).
10. **D.G. Kvashnin**, P.B. Sorokin, A.G. Kvashnin, J. Brüning, L.A. Chernozatonskii. Strong influence of the configurations of graphane islands on the electronic properties of a graphene/graphane mixing structure, J. Phys. Chem. C 116 (37), 20035–20039 (2012) IF - 4.77 (Q1).
11. **D.G. Kvashnin**, P.B. Sorokin, L.A. Chernozatonskii, The impact of edges and dopants on the work function of graphene nanostructures. The way to high electronic emission from pure carbon medium, Appl. Phys. Lett. 102, 183112-183116 (2013) IF - 3.30 (Q1).
12. L.A. Chernozatonskii, **D.G. Kvashnin**, O.P. Kvashnina, N.A. Konstantinova, Similarity in Band Gap Behavior of Modified Graphene with Different Types of Functionalization, J. Phys. Chem. C 118, 1318-1321 (2014) IF - 4.77 (Q1).
13. D.-M. Tang, **D.G. Kvashnin**, S. Najmaei, Y. Bando, K. Kimoto, P.M. Ajayan, B.I. Yakobson, P.B. Sorokin, J. Lou, D.

- Golberg, Nanomechanical cleavage of MoS₂ atomic layers, *Nature Communications* 5, 3631-3638 (2014) IF - 11.47 (Q1).
14. **D.G. Kvashnin**, L.Yu. Antipina, P.B. Sorokin, R.Tenne, D. Golberg, Theoretical Aspects of WS₂ Nanotube Chemical Unzipping, *Nanoscale* 6, 8400-8404 (2014) IF - 7.76 (Q1).
 15. **D.G. Kvashnin**, L.A. Chernozatonskii, Impact of symmetry in transport properties of graphene nanoribbons with defects, *Appl. Phys. Lett.* 105, 083115-083118 (2014) IF - 3.30 (Q1).
 16. **D.G. Kvashnin**, P.B. Sorokin, O.P. Kvashnina, T.P. Sorokina, L.A. Chernozatonskii, Study of novel carbon nanostructures based on bilayered graphene with periodically arranged holes, *News of higher educational institutions, Chemistry and chemical technology*, 57 (5), 77-79 (2014) (ISSN 0579-2991).
 17. A.V. Krasheninnikov, N. Berseneva, **D.G. Kvashnin**, J. Enkovaara, T. Björkman, P. Sorokin, D. Stansky, R.M. Nieminen, D. Golberg, Towards, Stronger Al-BN Nanotube Composite Materials: Getting Insight into Bonding at the Al/BN Interface from First-principles Calculations, *J. Phys. Chem. C* 118(46), 26894-26901 (2014) IF - 4.77 (Q1).
 18. **D.G. Kvashnin**, S. Bellucci, L.A. Chernozatonskii, Sharp variations in the electronic properties of graphene deposited on the h-BN layer, *Phys. Chem. Chem. Phys.*, 17, 4354-4359 (2015) IF - 4.49 (Q1).
 19. **D.G. Kvashnin**, P.B. Sorokin, D. Shtansky, D. Golberg, A.V. Krasheninnikov, Line and rotational defects in boron-nitrene: Structure, energetics, and dependence on mechanical strain from first-principles calculations. *Phys. Status Solidi B* 252, 1725-1730 (2015) IF - 1.48 (Q2).
 20. **D.G. Kvashnin**, P. Vancsó, L.Yu. Antipina, G.I. Márk, L.P. Biró, P.B. Sorokin, L.A. Chernozatonskii, Bilayered semiconductor graphene nanostructures with periodically arranged hexagonal holes, *Nano Research* 8 (4), 1250-1258 (2015) IF - 7.01 (Q1).
 21. A.G. Kvashnin, O.P. Kvashnina, **D.G. Kvashnin**, Hydrogen adsorption study. Formation of quantum dots on graphene nanoribbons within tight-binding approach, *Nanotechnology* 26 (17), 175704-175707 (2015) IF - 3.82 (Q1).
 22. G.S. Bocharov, A.V. Eletsii, **D.G. Kvashnin**, L.A. Chernozatonskii, Operational characteristics of a graphene-based electron field emitter, *J. Vac. Sci. Technol. B* 33, 041801- 041806 (2015) IF - 1.46 (Q2).
 23. **D.G. Kvashnin**, P.B. Sorokin, Effect of Ultrahigh Stiffness of Defective Graphene from Atomistic Point of View, *J. Phys. Chem. Lett.*, 6, 2384-2387 (2015) IF - 7.48 (Q1).
 24. C. Zhang, Z. Xu, **D.G. Kvashnin**, D.M. Tang, Y.M. Xue, Y. Bando, P.B. Sorokin, D. Golberg, Opto-mechano-electrical tripling in ZnO nanowires probed by photocurrent spectroscopy in a high-resolution transmission electron microscope, *Appl. Phys. Lett.* 107, 091103-091106 (2015) IF - 3.30 (Q1).
 25. A.G. Kvashnin, **D.G. Kvashnin**, O.P. Kvashnina, L.A. Chernozatonskii, Transport investigation of branched graphene nanoflakes, *Nanotechnology* 26 (38), 385705-385710 (2015) IF - 3.82 (Q1).
 26. **D.G. Kvashnin**, P.B. Sorokin, G. Seifert, L.A. Chernozatonskii, MoS₂ decoration by Mo-atoms and the MoS₂-Mo-graphene heterostructure: a theoretical study, *Phys. Chem. Chem. Phys.*, 17, 28770-28773 (2015) IF - 4.49 (Q1).
 27. **D.G. Kvashnin**, A.V. Krasheninnikov, D. Shtansky, P.B. Sorokin, D. Golberg, Nanostructured BN-Mg composites: features of interface bonding and mechanical properties, *Phys. Chem. Chem. Phys.*, 18, 965-969 (2016) IF - 4.49 (Q1).
 28. K.L. Firestein, **D.G. Kvashnin**, A.N. Sheveyko, I.V. Sukhorukova, A.M. Kovalskii, A.T. Matveev, O.I. Lebedev, P.B. Sorokin, D. Golberg, D.V. Shtansky, Structural analysis and atomic simulation of Ag/BN nanoparticle hybrids obtained by Ag ion implantation, *Materials and Design* 98, 167-173 (2016) IF - 3.50 (Q1).
 29. C. Zhang, O. Cretu, **D.G. Kvashnin**, N. Kawamoto, M. Mitome, X. Wang, Y. Bando, P.B. Sorokin, D. Golberg, Statistically Analyzed Photoresponse of Elastically Bent CdS Nanowires Probed by Light-Compatible In Situ High-Resolution TEM, *Nano Letters* 16, 6008-6013 (2016) IF - 12.71 (Q1).
 30. **D.G. Kvashnin**, M. Ghorbani-Asl, D.V. Shtansky, D. Golberg, A.V. Krasheninnikov, P.B. Sorokin, Mechanical properties and current-carrying capacity of Al reinforced with graphene/BN nanoribbons: a computational study, *Nanoscale*, 8, 20080-20089 (2016), IF - 7.76 (Q1).
 31. **D.G. Kvashnin**, O.P. Kvashnina, P.V. Avramov, P.B. Sorokin, A.G. Kvashnin, Novel Hybrid C/BN Two-dimensional Heterostructures, *Nanotechnology*, 28, 085205, (2017), IF - 3.57 (Q1).
 32. E. Kano, **D.G. Kvashnin**, S. Sakai, L.A. Chernozatonskii, P.B. Sorokin, A. Hashimoto, M. Takeguchi, One-atom-thick 2D copper oxide clusters on graphene, *Nanoscale*, 9, 3980-3985 (2017) IF - 7.76 (Q1).

33. Q. Weng, **D.G. Kvashnin**, X. Wang, O. Cretu, Y. Yang, M. Zhou, C. Zhang, D.-M. Tang, P.B. Sorokin, Y. Bando, D. Golberg, Tuning of the Optical, Electronic, and Magnetic Properties of Boron Nitride Nanosheets with Oxygen Doping and Functionalization, *Advanced Materials*, 29, 1700695-1700712 (2017) IF – 18.96 (Q1).
34. A.G. Kvashnin, P.V. Avramov, **D.G. Kvashnin**, L.A. Chernozatonskii, P. Sorokin, The Features of Electronic, Mechanical and Electromechanical Properties of Fluorinated Diamond Films of Nanometer Thickness, *J. Phys. Chem. C*, 121, 28484–28489 (2017) IF - 4.53 (Q1).
35. A.E. Steinman, S. Corthay, K.L. Firestein, **D.G. Kvashnin**, A.M. Kovalskii, A.T. Matveev, P.B. Sorokin, D.V. Golberg, D.V. Shtanskiy, Al-based composites reinforced with AlB₂, AlN and BN phases: Experimental and theoretical studies, *Materials & Design*, 141, 88-98 (2018) IF - 4.36 (Q1).
36. K.L. Firestein, **D.G. Kvashnin**, A.M. Kovalskii, Z.I. Popov, P.B. Sorokin, D.V. Golberg, D.V. Shtansky, Compressive properties of hollow BN nanoparticles: theoretical modeling and testing using a high-resolution transmission electron microscope, *Nanoscale*, 10, 8099-8105 (2018) IF – 7.76 (Q1).

ТЕЗИСЫ КОНФЕРЕНЦИЙ

1. P.B Sorokin, A. G. Kvashnin, **D. G. Kvashnin**, The theoretical study of structure and properties of new silicon nanowires of different shapes. Book of abstracts of I Russian conference “Multiscale simulation of processes and structures in nanotechnology”. Moscow, Russia, March 12 – 14, 2008, p. - 133-135
2. P.B Sorokin, **D. G. Kvashnin**, A. G. Kvashnin, L. A. Chernozatonskii, The theoretical study of atomic structure and properties of silicon carbide nanowires. Book of abstracts of I Russian conference “Multiscale simulation of processes and structures in nanotechnology”. Moscow, Russia, March 12 – 14, 2008, p. -135-136
3. **D. G. Kvashnin**, Theoretical investigation of elastic properties of silicon carbide nanowires. Book of abstracts of scientific conference of students and young scientists NKSF – XXXVII (2008), Krasnoyarsk, Russia, April 11-12 2008, p. - 12.
4. A.G. Kvashnin, P.B. Sorokin, **D.G. Kvashnin**, The theoretical study of mechanical properties of graphene membranes. Book of abstracts 9th biennial International Workshop “Fullerene and Atomic Clusters”, St. Petersburg, Russia, July 6-10, 2009, p. – 80.
5. **D.G. Kvashnin**, P.B. Sorokin, A.G. Kvashnin, Theoretical investigation of the elastic properties of branched silicon nanowires. Book of abstracts 9th biennial International Workshop “Fullerene and Atomic Clusters”, St. Petersburg, Russia, July 6-10, 2009, p. – 101.
6. A.G. Kvashnin, P.B. Sorokin, **D.G. Kvashnin**, The theoretical study of mechanical properties of graphene membranes, Anniversary X Russian Youth Workshop on Physics of Condensed Matter. Ekaterinburg, 9-15 November, 2009 P. 237.
7. **D.G. Kvashnin**, P.B. Sorokin, A.G. Kvashnin. Mechanical properties of branched SiC nanowires. Anniversary X Russian Youth Workshop on Physics of Condensed Matter. Ekaterinburg, 9-15 November, 2009 P. 238.
8. L. A. Chernozatonskii, **D.G. Kvashnin**, A.G. Kvashnin, P.B. Sorokin, Graphene-Graphane mixing nanostructures: hydrogen functionalization of graphene, properties and applications, Book of abstracts of molecular simulation in material and biological sciences, Dubna-Moscow, Russia, September 26-29, p. – 61 (2009)
9. **D.G. Kvashnin**, L. A. Chernozatonski, Superlattices based on graphene and graphane. The theoretical investigation of the evolution of electronic properties. 12 Russian Youth Conference on the Physics of semiconductors and nanostructures, semiconductor opto- and nanoelectronics, St. Petersburg, Russia, 25-29 October 2010 p. 45.
10. **D.G. Kvashnin**, P.B. Sorokin, The theoretical investigation of elastic properties of silicon carbide nanowires. Book of abstracts of scientific conference of students and young scientists NKSF – XXXVII (2008), Krasnoyarsk, Russia, April 11-12 2008, p. - 63 - 68.
11. A.G. Kvashnin, **D.G. Kvashnin**, P.B. Sorokin, Investigation of mechanical properties of silicon nanowires. Collected papers «Multifunctional Nanomaterials and Nanotechnology », Tomsk, Russia, September 19-22, 2008, P. 239-241.
12. A. G. Kvashnin, **D. G. Kvashnin**, P. B Sorokin, The theoretical investigations of properties of graphene, Conference proceeding and abstracts of fifteenth Russia scientific conference of physicist and young scientists.

Kemerovo – Tomsk, Russia, March 26 – 2.04.2009, p. - 730-731.

13. P.B. Sorokin, **D.G. Kvashnin**, A.G. Kvashnin, P.V. Avramov, J.A. Filicheva, L.A. Chernozatonskii, The theoretical study of elastic properties of silicon nanowires, Book of abstracts Workshop “Trends in nanomechanics and nanoengineering”, Krasnoyarsk, Russia, August 24 – 28, 2009, p. – 17.
14. A.G. Kvashnin., P. B. Sorokin, **D. G. Kvashnin**, The theoretical investigation of mechanical properties of graphene, Book of abstracts Workshop “Trends in nanomechanics and nanoengineering”, Krasnoyarsk, Russia, August 24 – 28, 2009, p. – 22.
15. **D. G. Kvashnin**, P. B. Sorokin, A. G. Kvashnin, P. V. Avramov, Theoretical study of elastic properties of branched silicon nanowires, Book of abstracts Workshop “Trends in nanomechanics and nanoengineering”, Krasnoyarsk, Russia, August 24 – 28, 2009, p. – 23.
16. **D. G. Kvashnin**, A. G. Kvashnin, P. B. Sorokin, L. A. Chernozatonskii, Theoretical study of the evolution of the electronic properties of superlattices based on graphene and graphene, materials of the Seventh International Conference Carbon: fundamental problems in science, material science, technology. Structural and functional materials (including nanomaterials), and their production technology, Suzdal, 17-19 November 2010, P. 170-171.
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