



Абдулвахидов Камалудин Гаджиевич

Email : kgabdulvahidov@sfedu.ru

Дата рождения: 12.07.1953 г., Республика Дагестан

Должность - главный научный сотрудник

Образование и ученые степени:
Ростовский государственный университет,
физический факультет, д.ф.-м.н.

Направления исследований (ключевые слова): физика конденсированного состояния

Область научных интересов:
синтез сегнетоэлектриков, ферромагнетиков,
мультиферроиков.

Методы: рентгеновская дифракция, диэлектрическая, импедансная и оптическая спектроскопия, фазовые переходы, транспортные свойства, поляризационная микроскопия.

Преподавательская деятельность за рубежом: материаловедение, физика полупроводников, метрология, стандартизация и сертификация.

Награды и звания:

- Диплом за лучшую научную работу по физике в РГУ за 2002 г.,
- Грамота Министерства образования и науки Российской Федерации.

Научные публикации в реферируемых журналах: более 200 публикаций.

10 наиболее цитируемых публикаций:

1. Size-dependent structural parameters, optical, and magnetic properties of facile synthesized pure-phase BiFeO₃

NMR Alikhanov, MK Rabadanov, FF Orudzhev, SK Gadzhimagomedov, ...

Journal of Materials Science: Materials in Electronics 32, 13323-13335

Cite by 21

2. Diffuse phase transition in single crystals

IP Raevski, SA Prosandeev, KG Abdolvakhidov, LA Shilkina, ...

Journal of applied physics 95 (8), 3994-3999

Cite by 17

3. Copper-carbon nanocomposites prepared by solid-phase pyrolysis of copper phthalocyanine
AS Manukyan, AA Mirzakhanyan, TK Khachatryan, GR Badalyan, ...
Journal of Contemporary Physics (Armenian Academy of Sciences) 47, 292-295
Cite by 16

4. Gd³⁺-Doped magnetic nanoparticles for biomedical applications
AP Budnyk, TA Lastovina, AL Bugaev, VA Polyakov, ...
Journal of Spectroscopy 2018
Cite by 14

5. Use of multiple acoustic reflections to enhance SAW UV photo-detector sensitivity
GY Karapetyan, VE Kaydashev, DA Zhilin, TA Minasyan, ...
Smart Materials and Structures 26 (3), 035029
Cite by 13

6. Summary data on ferroelectric PbTiO₃ structure
M Kupriyanov, D Kovtun, A Zakharov, G Kushlyan, S Yagunov, ...
Phase Transitions: A Multinational Journal 64 (3), 145-164
Cite by 13

7. Phase transitions, magnetic and dielectric properties of PbFe_{0.5}Nb_{0.5}O₃
KG Abdulvakhidov, EN Ubushaeva, IV Mardasova, MA Vitchenko, ...
Ferroelectrics 494 (1), 182-191
Cite by 12

8. Nanostructured multiferroic PbFe_{0.5}Nb_{0.5}O₃ and its physical properties
EN Ubushaeva, KG Abdulvakhidov, IV Mardasova, BK Abdulvakhidov, ...
Technical Physics 55, 1596-1599
Cite by 12

9. Phase transitions in lead scandoniobate PbSc_{0.5}Nb_{0.5}O₃
KG Abdulvakhidov, IV Mardasova, TP Myasnikova, VA Kogan, RI Spinko, ...
Physics of the Solid State 43, 508-512
Cite by 11

10. Mechanical activation and physical properties of Pb(Zr_{0.56}Ti_{0.44})O₃
MA Sirota, KG Abdulvakhidov, AP Budnyk, AV Soldatov, AL Bugaev, ...
Ferroelectrics 526 (1), 1-8
Cite by 10

Научное руководство аспирантами:

Получили степень кандидата наук: **4**

Под руководством на данный момент: **4**

Исполнитель Российских грантов.



Kamaludin G. Abdulvakhidov

Email : kgabdulvahidov@sfedu.ru

Born: 12.07.1953 г., Republic of Dagestan

Academic positions: Chief Science Officer.

Education and Degrees: Full Doctor Degree (Habilitation) in Physics, Rostov State University (Russia).

Research sectors : condensed matter physics.

Fields of interest: Synthesis of ferroelectrics, ferromagnets, multiferroics.

Methods: X-ray diffraction, dielectric, impedance and optical spectroscopy, phase transitions, transport properties, polarization microscopy.

Short teaching activity abroad:

Materials Science, Semiconductor physics, Metrology, standardization and certification.

Honor awards:

- Diploma for the best scientific work in physics at the Russian State University for 2002,
- Diploma of the Ministry of Education and Science of the Russian Federation.

Scientific publications in referred journals:

200 papers in refereed journals (in Scopus).

Top of 10 most cited publications:

1. Size-dependent structural parameters, optical, and magnetic properties of facile synthesized pure-phase BiFeO₃

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Smart Materials and Structures 26 (3), 035029
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10. Mechanical activation and physical properties of Pb(Zr_{0.56}Ti_{0.44})O₃
MA Sirota, KG Abdulvakhidov, AP Budnyk, AV Soldatov, AL Bugaev, ...
Ferroelectrics 526 (1), 1-8
Cite by 10

Supervising of Ph.D. students :

Received PhD 4.

Under supervision now 4.

Consulting Habilitaion Degree:

Received. Under supervision now.