

## СВЕДЕНИЯ

об официальных оппонентах по диссертации Гончаровой Лидии Михайловны на тему:  
«Сублимационная кристаллизация функциональных слоев в микроразмерных ростовых ячейках»

|    | Фамилия,<br>имя, отчество            | Ученая<br>степень, звание,<br>специальность,<br>по которой<br>оппонент<br>защитил докт.<br>диссертацию | Полное название<br>организации,<br>являющейся<br>основным местом<br>работы, структурное<br>подразделение,<br>должность,<br>адрес организации,<br>телефон, e-mail                                                                                                                                                           | Перечень основных публикаций по теме диссертации<br>в рецензируемых научных изданиях за последние 5 лет<br>(не более 15)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----|--------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Павленко<br>Анатолий<br>Владимирович | Доктор физико-<br>математических<br>наук;<br>01.04.07                                                  | Федеральный<br>исследовательский<br>центр «Южный<br>научный центр<br>Российской академии<br>наук», лаборатория<br>наноразмерных<br>активных сред и<br>материалов,<br>заведующий,<br>344006, г. Ростов-на-<br>Дону,<br>пр. Чехова, 41<br>р.т. +7 (863)219-87-61<br>м.т. +7 (905) 430-50-06<br>email:<br>tolik260686@mail.ru | <ol style="list-style-type: none"> <li>1. Razumnaya, A.G. Mikheykin, A.S., Stryukov, D.V., Anokhin, A.S., <b>Pavlenko, A.V.</b>, Shirokov, V.B., Kaliteevski, M.A., Mezzane, D., Lukyanchuk, I. Built-in electric field induces polarization rotation in bilayer BiFeO<sub>3</sub>/(Ba,Sr)TiO<sub>3</sub> thin films // Journal of Alloys and Compounds. – 2020. – Vol. 812.</li> <li>2. Stryukov, D.V., <b>Pavlenko A.V.</b> Unit-Cell Deformation under Discontinuous Deposition of Barium–Strontium Niobate Films // Technical Physics Letters. – 2019. – Vol. 45. – № 12. – P. 1191-1193</li> <li>3. Andryushin K.P., Shilkina L.A., Andryushina I.N., <b>Pavlenko A.V.</b>, Nagaenko A.V., Verbenko I.A., Reznichenko L.A. Multicomponent ferroactive materials for low-frequency applications: Features of the crystal and grain structure, macro-responses // Ceramics International. – 2019. – Vol. – 45. – № 14. – P. 16855-16863</li> <li>4. Boldyrev N.A., <b>Pavlenko A.V.</b>, Shilkina, L.A., Nazarenko A.V., Bokov A.A., Reznichenko, L.A., Rudskaya, A.G., Panchenko E.I. Structure, microstructure, dielectric and piezoelectric properties of (1-x-y)BiFeO<sub>3</sub>-xPbFe<sub>0.5</sub>Nb<sub>0.5</sub>O<sub>3</sub>-yPbTiO<sub>3</sub> ceramics // Ceramics International. – 2019. – Vol. 45. – № 12. – P. 14768-14774</li> </ol> |

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|  |  |  |  | <ol style="list-style-type: none"> <li>5. <b>Pavlenko A.V.</b>, Kara-Murza S.V., Korchikova A.P., Tikhii A.A., Stryukov D.V., Kovtun, N.V. Structure and Optical Characteristics of Barium–Strontium Niobate Films on Al<sub>2</sub>O<sub>3</sub> Substrates // Optics and Spectroscopy. – 2019. – Vol. – 126. – № 5. – P. 487-491</li> <li>6. <b>Pavlenko A.V.</b>, Kudryavtsev Y.A., Stryukov D.V., Anokhin A.S., Kovtun A.P., Sevast'yanov B.Y. Composition, Structure, and Dielectric Characteristics of (Sr<sub>0.5</sub>Ba<sub>0.5</sub>)Nb<sub>2</sub>O<sub>6</sub>/Pt(111)/Si(001) Films // Inorganic Materials. – 2019. – Vol. 55. – № 2. – P. 167-172</li> <li>7. <b>Pavlenko A.V.</b>, Ivleva L.I., Stryukov D.V., Kovtun A.P., Anokhin A.S., Lykov P.A. Synthesis, Structure, and Dielectric Characteristics of Sr<sub>0.61</sub>Ba<sub>0.39</sub>Nb<sub>2</sub>O<sub>6</sub> Single Crystals and Thin Films // Physics of the Solid State. – 2019. – Vol. 61.– № 2. – P. 244-248</li> <li>8. Zakharov Yu. N., Sakhnenko V. P., Raevsky I. P., Parinov I. A., <b>Pavlenko A. V.</b>, Chebanenko V. A., Filatova N. S., Zaerko M. A., Sitalo E. I., Kiseleva L. I. Properties of Unipolarity Arising in an Unpolarized Ferroelectric Plate After Creating a Stationary Strain Gradient in the Interelectrode Space // Advanced Materials. – 2019. – Vol. 18. – P. 239-249</li> <li>9. Shirokov V. B., Zinchenko S. P., Kiseleva L.I., <b>Pavlenko A. V.</b> Properties of the Barium–Strontium Titanate Films Deposited onto the Silicon Substrate by rf Cathode Sputtering // Technical Physics Letters. – 2018. – Vol. 44. – P. 1157–1159</li> <li>10. <b>Pavlenko A.V.</b>, Kubrin S.P., Kozakov A.T., Shilkina L.A., Reznichenko L.A., Nikolskii A.V., Stashenko V.V., Rusalev Y.V., Petrosyan K.S. Phase transitions, dielectric, magnetic properties and valence of ions in AFe<sub>2</sub>/3W<sub>1</sub>/3O<sub>3</sub>±σ(A=Ba, Sr) multiferroic ceramics // Journal of Alloys and Compounds. – 2018. – Vol. 740. – P. 1037-1045.</li> <li>11. <b>Pavlenko A.V.</b>, Smotrakov V.G., Kubrin S.P., Shilkina L.A., Eremkin V.V., Shevtsova S.I., Reznichenko L.A. Preparation, structure, and dielectric characteristics of 0.95pfn-0.05bfo single crystals // Bulletin of the Russian Academy of Sciences: Physics. – 2017. – Vol. 81. – №3. – P. 334-336.</li> </ol> |
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