

PEER REVIEWED PUBLICATIONS

Peer Reviewed Proceedings of International Conferences

1. **T.A. Galichyan** and T.O. Firsova, *The thickness inhomogeneity in linear and nonlinear magnetoelectric effect in magnetostrictive-piezoelectric layered structures*, Proceedings of International School-Conference of Young Scientists 3-7 October, Tsakhkadzor, Armenia, 2016 pp. 150-154
2. **T.A. Galichyan** and D.A. Filippov, *Magnetoelectric effect in layered structures in electromechanical resonance region*, PhisicA.SPb 26–29 October, Saint-Petersburg, Russia 2015 pp. 282-283
3. **T.A. Galichyan**, *Mathematical modeling of the influence of the interlayer bonding material on the magnetoelectric effect in magnetostrictive-piezoelectric structures*, XLIII Week of Science with international participation, Polytechnical University, Saint-Petersburg, Russia 2014 pp. 115-117
4. **T.A. Galichyan** and D.A. Filippov, *Dependence of the oscillations amplitude on the thickness of magnetostrictive-piezoelectric bilayer structure in the theory of magnetoelectric effect*, 1st International School and Conference on Optoelectronics, Photonics, Engineering and Nanostructures, “Saint-Petersburg OPEN 2014”, St. Petersburg, Russia, March 25-27, 2014, pp. 377-378
5. **T.A. Galichyan** and D.A. Filippov, *The dependence of the magnetoelectric effect on the adhesive bonding in magnetostrictive-piezoelectric structure*, Modern scientific research and their practical application, edited by Alexandr G. Shibaev, Alexandra D. Markova. Vol. J21314 (Kupriyenko SV, Odessa, Nov. 2013) - J21314-011, pp. 81-90
6. **T.A. Galichyan** and D.A. Filippov, *Considering the interlayer adhesive bonding in the theory of the magnetoelectric effect in bilayer structure*, International Conference “Functional Materials” (ICFM), Yalta, Haspra, Ukraine 2013, p. 241
7. **T.A. Galichyan**, *The magnetoelectric voltage coefficient in bilayer ferrite-piezoelectric structures*, Proceedings of the 17th International Youth Forum “Radio electronics and youth in the XXI century”, (Electronic Equipment and Technologies), Kharkiv, Ukraine 2013, pp. 11-12

8. **T.A. Galichyan**, *The modeling of the transformation processes of the magnetic and electric fields in bilayer magnetostrictive-piezoelectric structures*, International Youth Scientific Conference (Mechanics and modeling of materials and technologies), Moscow, Russia 2013, pp. 14-15
9. **T.A. Galichyan**, *Propagation of elastic waves in ferrite-piezoelectric structure*, in Modern scientific research and their practical application, Vol.J11309 (Kupriyenko SV, Odessa, Ukraine 2013)-256
10. **T.A. Galichyan** and T.O. Firsova, *Propagation of elastic waves in layered magnetostrictive-piezoelectric structures*, Youth Conference on the Physics and Astronomy, Saint-Petersburg, Russia 2012
11. **T.A. Galichyan** and T.O. Firsova, *Propagation of elastic waves in ferrite-piezoelectric structure*, XLI Week of Science: Materials science and practical conference with international participation, Polytechnical University, Saint-Petersburg, Russia 2012, pp. 164-165
12. **T.A. Galichyan**, *Propagation of waves in ferrite-piezoelectric structure*, XIV International Conference “Electromechanics, Electrotechnology, Electromaterials and Components” (ICEEE), Crimea, Alushta, Ukraine 2012, pp. 39-40

Peer Reviewed Proceedings of Regional Conferences

13. **T.A. Galichyan**, *Consideration of deformation inhomogeneity over the thickness of the sample in bilayer magnetostrictive-piezoelectric structures*, Proceedings of the graduate students and students. XXI Scientific Conference of Novgorod State University (NovSU), Veliky Novgorod, Russia 2014, pp. 92-96
14. **T.A. Galichyan** and D.A. Filippov, *The influence of the adhesive bond on the value of the magnetoelectric effect in bilayer magnetostrictive-piezoelectric structure*, Abstracts of the Russian Youth Conference on Physics and Astronomy, Saint-Petersburg, Russia 2013, pp.304-305
15. **T.A. Galichyan** and D.A. Filippov, *The consideration of the interlayer adhesive bond in the theory of the magnetoelectric effect*, Proceedings of the graduate students and

students. XX Scientific Conference of Novgorod State University (NovSU), Veliky Novgorod, Russia 2013, pp. 132-135

16. **T.A. Galichyan** and T.O. Firsova, *The dispersion relation of the elastic waves in bilayer ferrite-piezoelectric structure*, XIII Russian seminar on the problems of physics of condensed matter, Ekaterinburg, Russia 2012, p. 72
17. D.A. Filippov, **T.A. Galichyan** and T.O. Firsova, *The propagation of elastic waves in bilayer ferrite-piezoelectric structure*, Proceedings of the graduate students and students. XIX Scientific Conference of Novgorod State University (NovSU), Veliky Novgorod, Russia 2012, pp. 167-169

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18. **T.A. Galichyan** and D.A. Filippov, *The influence of the adhesive bonding on the magnetoelectric effect in bilayer magnetostrictive-piezoelectric structure*, Journal of Physics: Conference Series, 572, 2014, 012045
19. **T.A. Galichyan** and D.A. Filippov, *Dependence of the oscillations amplitude on the thickness of magnetostrictive-piezoelectric bilayer structure in the theory of magnetoelectric effect*, Journal of Physics: Conference Series, 541, 2014, 012103
20. D.A. Filippov, **T.A. Galichyan** and V.M. Laletin, *Influence of an interlayer bonding on the magnetoelectric effect in the layered magnetostrictive-piezoelectric structure*, Applied Physics A, 116, 2014, pp 2167-2171
21. D.A. Filippov, **T.A. Galichyan** and V.M. Laletin, *Magnetoelectric effect in bilayer magnetostrictive-piezoelectric structure. Theory and experiment*, Applied Physics A, 115, 2013, pp. 1087-1091
22. D.A. Filippov and **T.A. Galichyan**, *Theory of magnetoelectric effect in a bilayer magnetostrictive-piezoelectric structure*, Russian Physics Journal, 56, 2013, pp. 686-692
23. **T.A. Galichyan** and T.O. Firsova, *Propagation of elastic waves in bilayer ferrite-piezoelectric structure*, Journal of Physics: Conference Series, 461, 2013, 012016
24. D.A. Filippov, V.M. Laletin and **T.A. Galichyan**, *Magnetoelectric effect in a magnetostrictive-piezoelectric bilayer structure*, Physics of the Solid State, 55, 2013, pp. 1840–1845

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25. **T.A. Galichyan**, *Influence of the bonding layer on the magnetoelectric effect in magnetostrictive-piezoelectric structures*, Modern problems of science and education, 6, 2014, URL: www.science-education.ru/120-15436
26. D.A. Filippov and **T.A. Galichyan**, *Theory of magnetoelectric effect in magnetostrictive-piezoelectric bilayer structures taking into account inhomogeneity of deformations over the specimen thickness*, Vestnik NovSU, 80, 2014, pp. 73-77
27. **T.A. Galichyan** and D.A. Filippov, *Considering the bonding layer in the theory of magnetoelectric effect in bilayer magnetostrictive-piezoelectric structures*, Vestnik NovSU. Technical sciences, 75, 2013, pp. 82-86
28. D.A. Filippov and **T.A. Galichyan**, *The ME effect in trilayer magnetostrictive-piezoelectric structure*, Journal of Advanced Materials, 12, 2013, pp. 5-10
29. D.A. Filippov, **T.A. Galichyan** and T.O. Firsova, *Propagation of elastic waves in bilayer ferrite-piezoelectric structure*, Vestnik NovSU. Technical sciences, 68, 2012, pp. 116-118