

გამოქვეყნებული ნაშრომები

1. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, Gogilashvili KT. Laser-induced fluorescence of oral mucosa cancer. *Laser Physics.* 2017წ. vol.27 (10). (IF)
2. Z. Jaliashvili, Z. Melikishvili, V G Bregadze, T G Giorgadze, I G Khutsishvili, T B Khuskivadze, K I Sigua. Laser-induced fluorescence resonance energy transfer for analysis of the quality of a DNA double helix. *Laser Physics Letters.* 2016წ. vol.13, (2016). (IF)
3. Zaza V. Jaliashvili, Zaza G. Melikishvili, Vasil G. Bregadze, Tamar G. Giorgadze, Irine G. Khutsishvili, Temur B. Khuskivadze. Absorption spectroscopy of silver atoms and nanomolecular studies of DNA and some organic structures. *Proceedings of 2016 XIXst International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED), 2016 September, IEEE Catalog Number: Print ISBN: 978-1-5090-6175-4, Electronic ISBN: 978-1-5090-6176-1, DOI: 10.1109/DIPED.2016.7772239.* 2016წ. Print ISBN: 978-1-5090-6175-4, Electronic ISBN: 978-1-5090-6176-1, DOI: 10.1109/DIPED.2016.7772239.
4. Z. V. Jaliashvili, Z. G. Melikishvili, V. G. Bregadze, T. G. Giorgadze, J. G. Chkhaberidze, J. R. Monaselidze, T. B. Khuskivadze, K. I. Sigua. Nanoscale nonradiate energy transfer between intercalator molecules in DNA duplex. *Publishing House "Technical University".* 2014წ. ISBN 978-9941-20-478-4.
5. Z. Jaliashvili, Z. Melikishvili, Vasil G. Bregadze, Tamar G. Giorgadze, Jamlet R. Monaselidze, Temur B. Khuskivadze. Point Defects in Double Helix Induced by Interaction of Silver Nanoparticles with DNA. *Los Alamos, Cornell University Library, Physics/Physics > Biological Physics electronic reprint archive paper number physics/(Thu, 21 Jun 2012 09:32:58).* 2012წ. arXiv:1206.4816v1 [physics.bio-ph].
6. Z. V. Jaliashvili, Z. G. Melikishvili, V. G. Bregadze, T. B. Khuskivadze, T. G. Giorgadze, M. M. Lomidze. Original Multifunctional Optical System for R&D in Bio-nano-photonics. *Proceeding of Basic Paradigms In Science And Technology Development For The 21st Century.* 2012წ. Tbilisi, Georgia, September 19-21, pp. 134-140.
7. Z. Jaliashvili, Z. Melikishvili, G. Petriashvili, V. bregadze, S. Melikishvili, T. Giorgadze. Interactions between Silver Nanoparticles and DNA-Intercalator Complexes. *Publishing House "Universal", Tbilisi. The Procedeengs of the First International Conferece on Nanochemistry-Nanotechnologies.* 2011წ. pp 136-140..

8. Z. V. Jaliashvili, Z. G. Melikishvili, V. G. Bregadze, T. G. Giorgadze, J. R. Monaselidze, T. B. Khuskivadze. *Interaction of Silver Nanoparticles with DNA and Point Defects. Proceeding of International Scientific Conference "Physical Research Methods in Medicine".* 2011წ. Tbilisi. pp. 27-31.
9. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, R. Gvamichava, K. M. Mardaleishvili. *Optical Spectroscopy of Biological Tissue for Medical Diagnostics. Proceeding of International Scientific Conference "Physical Research Methods in Medicine".* 2011წ. 27-29 October, 2011, Tbilisi. pp. 171-175..
10. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, T. Chigogidze, M. Alibegashvili, L. Ramishvili, N. Chikovani, L. Managadze, N. Kotrikadze. UP-1.093: The Study of Blood Plasma and Tumor Tissue by Laser Induced Fluorescence in Patients with Prostate Tumors. Urology. 2009წ. Vol. 74, Issue 4, (Supplement 4A), S199. (IF)
11. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, K.T. Akhmeteli, E.N. Ekaladze, N.Z. Merkviladze, M.B. Papava, P.R. Tushurashvili. Study of vitamin A distribution in rats by laser induced fluorescence. Laser Physics Letters. 2008წ. vol.5, № 6 (2008), pp. 471-475. (IF)
12. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, K.M. Mardaleishvili, J.J. Ramsden. Laser induced fluorescence model of human goiter. Laser Physics Letters. 2008წ. vol.5, № 3 (2008), pp. 217-219. (IF)
13. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, N. Merkviladze, P. Tushurashvili. Optical Spectroscopy of Parotid Gland in Case of Adenopathy. Georgian Medical News. 2008წ. № 11(164) (2008), pp. 80-83. (IF)
14. Z. Jaliashvili, G. Giorgadze, T. Medoidze, Z. Melikishvili, K.M. Mardaleishvili. Measurement of the abnormality degree in the biological tissue by the laser induced fluorescence. Laser Physics Letters. 2006წ. vol.3, № 2 (2006), pp. 89-91. (IF)
15. Z. Jaliashvili, G. Giorgadze, T. Medoidze, Z. Melikishvili, S.Z. Melikishvili, G.M. Mrevlishvili. *Topology of DNA in bacteriophage. Proceedings of International Seminar: Perspective of usage of bacteriophages preparations for prevention and treatment of infections caused by pathogenic and conditioned pathogenic microorganisms.* 2005წ. 10-11 November, 2005, Tbilisi, Georgia, pp. 73-74..

16. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, K.M. Mardaleishvili, J.J. Ramsden. [Real time noninvasive cancer diagnostic](#). *Los Alamos Physics/Medical Physics electronic reprint archive paper number physics/0502102*. **2005**წ. (22 Feb 2005).
17. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, K.M. Mardaleishvili, J.J. Ramsden. [Laser-exited fluorescence from normal and abnormal human thyroid cells: a pilot study](#). *Laser Physics Letters*. **2004**წ. vol.1, № 10 (2004), pp. 521-524. (IF)
18. Z. Jaliashvili, T. Medoidze, Z. Melikishvili, G. Tsintsadze, M.F.Reid. [Branching Ratios and Radiative Lifetimes for 3P2, 3P1, 3P0 and 1I6 Manifolds of Tm3 in YLiF4 Crystal](#). *Bulletin of the Georgian Academy of Sciences*. **2003**წ. vol. 167, №3 (2003), pp.437-441. (IF)
19. Z. Jaliashvili, Z. Melikishvili, T. Medoidze, D. Buchsianidze, A. Papashvili, T. Sanadze, G. Tsintsadze. [Absorption and Luminescence Spectra of Tm³⁺ Doped YLiF₄ Crystal: 1I6 and 3P0,1,2 Levels](#). *Bulletin of the Georgian Academy of Sciences*, **2001**წ, vol. 164, №1, pp. 41-44. (IF)
20. Z. V. Jaliashvili, M.Y. Chubabria, N.N. Kavlashvili, T. D. Medoidze, G.A.Tsintsadze. [Properties of Superconducting ceramics of Y₁Ba₂Cu₃O_{7-δ} Type in Low Magnetic Fields](#). *Bulletin of the Georgian Academy of Sciences*. **2001**წ. vol. 163, №1, (2001). (IF)