

Scientific Productivity

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	A. Chirakadze, Z. Buachidze, A. Giginishvili, I. Nadiradze	Analysis and forecasting of innovative opportunities and their main prospective	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY PROCEEDINGS	2023
Article	Z. Jabua, A. Giginishvili, I. Tabatadze	TERBIUM MONOTELLURIDE NANOCOATING AND SOME OF THEIR ELECTROPHYSICAL AND MECHANICAL PROPERTIES	SCIENCE AND TECHNOLOGIES SCIENTIFIC REVIEWED MAGAZINE	2023
Article	Z. Jabua, M. Teteloshvili, A. Giginishvili	PREPARATION AND ELECTRICAL PROPERTIES OF ERS FILMS	Journal of Science, Lyon	2023
Article	A. Chirakadze, N. Lomidze, Z. Buachidze, A. Giginishvili	Modified formulas for calculating the biological effectiveness and synergistic components of insecticidal drugs or other agents and an example of their use	Archil Eliashvili Institute of Community Management Systems of Technical University of Georgia Collection of works	2022
Article	Akaki Giginishvili, Zaur Jabua	Relaxation Processes in Erbium Monosulfide Thin Films	GEORGIAN TECHNICAL UNIVERSITY, WORKS №4 (526)	2022
Article	Z. Jabua, V. Marchilashvili, A. Giginishvili	INFLUENCE OF SUBSTANCE TEMPERATURE ON THE MECHANICAL STRENGTH OF FILMS Yb ₅ Sb ₄	Nano Studies	2022
Article	Archil Chirakadze, Nodar Mitagvaria, Nino Lomidze, Maia Ambokadze, Akaki Giginishvili, Zakaria Buachidze, Marina Devdariani, Lena Davlianidze, Lali Gumberidze, Marina Nebieridze, Nino Sikharulidze	Development and Testing of New Combined Insecticides against the Brown Marmorated Stink Bug (BMSB, Halyomorpha Halys) in Laboratory Conditions	Reporter of the National Academy of Sciences of Georgia	2021

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Article	Archil Chirakadze, Nino Lomidze, Maia Ambokadze, Akaki Gigineishvili, Zakaria Buachidze, Mikhail Taktakishvili, Nodar Mitagvaria	New approaches to the calculation of biological effectiveness and synergy of drug combinations and application in laboratory testing and field trials	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY	2021
Article	Goletiani C., Nebieridze N., Kukhianidze O., Songulashvili D., Gigineishvili A.	The role of bursts in sensory discrimination and retention of favored inputs in the cultured neural networks	Georgian Medical News	2021
Article	Z. Jabua, A. GiGineishvili	TECHNOLOGY OF TERBIUM MONOTELLURIDE NANOFILMS AND ELECTROPHYSICAL AND MECHANICAL PROPERTIES	Nano Studies	2021
Article	M. Amobokadze, N. Iomidze, A. Chirakadze, A. Gigineishvili, N. Kavlashvili, M. Tsverava, G. Kacharava, I. Khomeriki, M. Taktakishvili	Quantitative in vivo determination of the biological effectiveness of a new combined insecticidal composition against the Calliptamus italicus, Leptinotarsa decemlineata, Zabrus tenebriodes elongatus, Anisoplia alazanica and Mayetiola destructor and proof of the reliability of the obtained experimental data using variation criteria	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY PROCEEDINGS	2020
Article	M. Amobokadze, N. Iomidze, A. Chirakadze, A. Gigineishvili, N. Kavlashvili, M. Tsverava, G. Kacharava, I. Khomeriki, M. Taktakishvili	Selection, application and experimental testing using quantitative methods for determination of synergy rate and biological effectiveness of synergistic insecticidal composition against the Brown marmorated stink bug (Halyomorpha Halys)	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY PROCEEDINGS	2020
Article	Akaki Gigineishvili, Zaur Jabua, Irakli Nadiradze	Cooking. electrophysical properties and microhardness of Yb4Sb3 films	MODERN PROBLEMS OF POWER ENGINEERING AND WAYS OF SOLVING THEM	2020
Article	Zaur Jabua, Akaki Gigineishvili, Sandro Feradze	Cooking. electrophysical properties of erbium monoantimonide films	MODERN PROBLEMS OF POWER ENGINEERING AND WAYS OF SOLVING THEM	2020
Article	Vladimir Berkovits, Vladimir Ulin, Akaki Gigineishvili, Tamaz Minashvili, George Iluridze, Ketevan Davitadze, Zaur Jabua,	Electrochemical Formation of Indium Nanoclusters on the (001) Surface of an InP Crystal	MODERN PROBLEMS OF POWER ENGINEERING AND WAYS OF SOLVING THEM	2020
Article	Z. Jabua, T. Minashvili, K. Davitadze, A. GiGineishvili, G. Iluridze	RELATIVE MECHANICAL STRENGTH OF SOME RARE EARTH ELEMENTS COMPOUNDS THIN FILMS	Nano Studies	2020
Article	Z. U. Jabua, A.V. Gigineishvili	THERMOELECTRIC PROPERTIES OF THULIUM MONOSULPHIDE NANOFILM	MODERN PROBLEMS OF POWER ENGINEERING AND WAYS OF SOLVING THEM	2019
Article	V. L. Berkovits, V. P. Ulin, G. N. Iluridze, T. A. Minashvili, K. D. Davitadze, A. V. Gigineishvili, Z. U. Dzhabua	MONOLAYER GaN FILMS ON A (001) GaAs SURFACE: PREPARATION AND OPTICAL INVESTIGATIONS	Nano Studies	2019
Article	Mikheil Chikhradze, Guram Abashidze, Nikoloz Cikhradze, Akaki Gigineishvili	Shock-Wave Consolidation of Boron and Carbon Containing Ultrafine Powders and Investigation Their Structure/Properties	IOP Conf. Eart and Environmental Science 221(2019)012105	2019
Article	A. Chirakadze, Z. Buachidze, N. Kavlashvili, A. Gigineishvili, I. Khomeric, K. Gorgadze, L. Gvaramadze, M. Taktakishvili	Automated vacuum-pressing machine for obtaining ethyl alcohol	Archil Eliashvili Institute of Management Systems of Technical University of Georgia Collection of works	2018
Book	L. Glurjidge, A. Gigineishvili	Methods of Creative (Effective) Thinking, One-Semester Course Lectures Concept		2017
Article	Z. Jabua, N. Turkhadze, N. Gapishvili, A. Gigineishvili	Mechanical properties of gadolinium diantimonide thin films	Nano Studies, 2017,15/16m 61-68	2017
Book	A. Gigineishvili, K.Gorgadze, G.Kukuladze L. Matsaberidze, L. Chakhvashvili	Practicum Laboratory of Physics of III (optics and atomic physics). Publishing House "Technical University" ISBN 978-9941-20-403-6 (All Part); ISBN978-9941-20-795-2 (third part).		2017

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Article	A.Chirakadze, A.Gigineishvili, N.Kavlashvili, Z.Buachidze, M.Taktakishvili, K.Gorgadze	Design of microwave horn and spiral antennas for application in devices for control of the agricultural pests	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY,N21,p.41-46	2017
Article	Z.Jabua, N.Turkadze, A.Gigineishvili	THE OPTICAL AND MECHANICAL PROPERTIES OF TbSb	Journal of Surface Physics and Engineering. vol.2,No2-3,pp.99-104	2017
Article	A. Gigineishvili, K. Tskhakaia, R. Kikvidze, M. Bibiluri	DETERMINATION OF THE MAXIMUM RUNNING SPEED	INTERNATIONAL SCIENTIFIC JOURNAL „AIR TRANSPORT“` N1(12)2017	2017
Book	A. Gigineishvili, K.Gorgadze, G.Kukuladze L. Matsaberidze, L. Chakhvashvili	Laboratory practical physics (electricity and magnetism) II part. Technical University. ISBN: 978-9941-20-403-6 (All Part) / ISBN: 978-9941-20-591-0 (Second Part).		2017
Book	I. Papava, L. Glurjidze, A. Gigineishvili	Tasks and tests of the four-semester physics course		2016
Book	L. Glurjidze, A. Gigineishvili	Physics, four-semester course of lectures synopses GTU, Part IV		2016
Article	A.Chirakadze, Z.Buachidze, A.Gigineishvili, L.Gurchumelia, N.Kavlashvili, P.Kervalishvili	Numerical simulation,design and testing of rectangular shape planer microwave applicators for use in “gren” biosynthesis of metal nanoparticles	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY PROCEEDINGS N20, P.85-89	2016
Article	Nikoloz Chikhradze, Guram Abashidze, Mikheil Chikhradze, Akaki Gigineishvili, Giorgi Mestvirishvili.	FABRICATION OF ULTRAFINE GRAINED COMPOSITES BY MECHANICAL ALLOYING AND DYNAMIC CONSOLIDATION OF POWDERS	Nano, Bio and Green-Technologies for a Sustainable Future CONFERENCE PROCEEDINGS	2016
Article	V.L.Berkovits, V.P.Ulin, G.N.Iluridze, T.A.Minashvili, K.D.Davitadze, A.V.Gigineishvili, P.J.Kervalishvili	A new chemical method of formation of metallic nano-particles on surfaces of A3B5 semiconductors	Nano Studies, N13, p.247-250	2016
Article	M.Teteloshvili, I.Tabatadze, Z.Jabua, A.Gigineishvili, V.Saratovea	Mechanical strength of GeTe-SnTe Silid solutions thin films	Nano Studies, N14, p.123-128	2016
Book	L. Glurjidze, A. Gigineishvili	Physics, four-semester course of lectures synopses GTU, Part III		2015
Book	L. Glurjidze, A. Gigineishvili	Physics, four-semester course of lectures synopses GTU, Part II		2015
Book	L. Glurjidze, A. Gigineishvili	Physics, four-semester course of lectures synopses GTU, Part I		2015
Book	A. Gigineishvili, N. Dolidze, K. Kotetishvili, Z. Jibuti, G. Chikhladze	Short course of physics (first part)		2015
Article	V.L. Berkovits, A.B. Gordeeva, G.N. Iluridze, I.V. Makarenko, T.A. Minashvili, P.J. Kervalishvili, A.V. Gigineishvili, K.D. Davitadze	Structure and optical properties of copper phthalocyanine thin films grown on crystalline and amorphous substrates.	The International Scientific Conference Dedicated to Academician I.Prangishvili's 85Th Anniversary. PROCEEDINGS, p.602-605.	2015
Article	Z. Gasitashvili, P. Kervalishvili, A. Gigineishvili, Z. Buachidze, K. Gorgadze	Advanced methods of utilization of secondary resources for energy production and accumulation	The International Scientific Conference Dedicated to Academician I.Prangishvili's 85Th Anniversary. PROCEEDINGS, p.593-597.	2015
Article	G.V. Benemanskaya, P.A. Dementev, S.A. Kukushkin, M.N. Lapushkin, G.N. Iluridze, T.A. Minashvili, P.J. Kervalishvili, A.V. Gigineishvili	Synchrotron - based study of electronic structure of Ba/SiC(111) interface. The International Scientific Synchrotron - based study of electronic structure of Ba/SiC(111) interface.	The International Scientific Conference Dedicated to Academician I.Prangishvili's 85Th Anniversary. PROCEEDINGS, p.606-610.	2015
Article	Z.U.Jabua, A.V.Gigineishvili	Mechanical durability of TmSe,TmS and LaBi thin films	Nano Studies, N11, p.151-154	2015

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Article	A.Chirakadze, P.Kervalishvili, A.Gigineishvili, Z.Buachidze, L.Gurchumelia, V.Gvakharia, W.Toscano, N.Kavlashvili	Semi-Quantitative Assessment of Application of the Eco-Industrial Park(EIP) Concept for Providing of Environment-Friendly and Profitable Industrial PROcessing of Waste into Gaseous,Liquid and Solid Fuels and other Highly Demanded Marketable Products	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY ,PROCEEDINGS, N19, p.33-38	2015
Article	G.Nabakhtiani, L.Chkhartishvili, A.Gigineishvili, K.Gorgadze	RADIOACTIVE WASTE MANAGEMENT IN GEORGIA	NANO STUDIES, 3,149-154	2014
Article	V.I.Berkovits, P.A.Dement'ev, T.V.L'vova, I.V.Sedova, V.P.Ulin, G.N.Iluridze, A.V.Gigineishvili, P.J,Kervalishvili and T.A.Minashvili	Chemikal passivation of the InAs(100) surface by aqueous sodium sulfide solutions	Journal of Biological Physics and Chemistry, 14, 18-21	2014
Article	M.Teteloshvili, Z.Jabua, A.Gigineishvili	ELECTROPHYSICAL PROPERTIES OF TULIUM MONOSULFIDE THIN FILMS	SCIENCE AND TECHNOLOGIES,N2(716), p.61-65	2014
Article	A.CHIRAKADZE, Z.BUACHIDZE, M.WIREMAN, WILLIAM A.TOSCANO, G.KERVALISHVILI, N.KAVLASHVILI, L.GURCHUMELIA, A.GIGINEISHVILI, Z.GASITASHVILI, T.CHICHUA, D.BIBILURI, L.SHARIKADZE	MICROWAVE IN ENVIRONMENTAL TECHNOLOGIES OF PROCESSING OF MINING,METALLURGICAL AND POLIMERIC WASTE	ARCHIL ELIASHVILI INSTITUTE OF CONTROL SYSTEMS OF THE GORGIAN TECHNIKAL UNIVERSITY PROCEEDINGS, p.157-160	2014
Book	A. Gigineishvili, G.Kukuladze	Physics Course, III, Basics of Optics and Atomic Physics (approved by the GTU Editorial Board		2013
Article	Z.Jabua I.L.Kupreishvili, A.V.Gigineishvili	Optical properties of PrSb2 thin films of dark blue colouring	Optical properties of PrSb2 thin films of dark blue colouring	2013
Article	Z.Jabua I.Kupreishvili, A.Gigineishvili G.Iluridze, T.MinaSvili	The electrophysical and optical properties of gadolinium monoantimonide thin films	Physical Surfase Engineering,v.10,N°13pp. 295-298	2013
Article	G.V.Benemanskaya, M.N.Lapushkin, S.N.Timoshnev, A.V.Gigineishvili, G.N.Iluridze, P.I.Kervalishvili, T.A.Minashvili	Synchrotron photoemission studies of surface electronic structure of III-nitride semiconductors	Journal of Biological Physics and Chemistry, N13, p.131-134	2013
Article	Z.Buachidze, A.Gigineishvili, A.Chirakadze, N.Kavlashvili, I.Khomeriki, Z.Sikmashvili, M.Wireman	A SIMPLE QUANTITATIVE MODEL FOR THE SUSTAINABLE DEVELOPMENT INDEX AND ITS CORRELATION WITH THE KNOWLEDGE SOCIETY INDEX(K-INDEX)	ARCHIL ELIASHVILI INSTITUTE CONTROL SYSTEMS OF THE GEORGIAN TECHNICAL UNIVERSITY,PROCEEDINGS.TBILISI, N17, p.49-55	2013
Article	M.Teteloshvili, Z.Jabua, A.Gigineishvili	Preparation Tm3S2 films by flash vacuum thermal evaporation	Nano Studies, v.7. p.229-232	2013
Article	G.Nabakhtiani, L.Chkhartishvili, A.Gigineishvili, O.Tsagareishvili, D.Gabunia, Z.Rostomashvili, Sh.Dekanosidze	Attenuation of gamma-radiation concomitant neutron-absorption in boron-tungsten compozite shields	Nano Studies, v.8, p.259-266	2013
Book	A. Gigineishvili, G.Kukuladze	Physics Course, II, Basics of Electricity and Magnetism (approved by the GTU Editorial Board		2012
Article	Trapaidze I., Jabua Z., Kupreishvili I., Gigineishvili A., Iluridze G., Minashvili T., Davitadze K.	The absorption spectra of PrSb2 thin films of golden colour	New Journal of Physics. 76 Annual Conference of DPG (Deutschen Physikalischen Gesellschaft)and DPG - Fruhjahrstagung 2012 (Spring Meeting) of the Condensed Matter Section (SKM). Berlin, March 25-30.	2012

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Article	Z.U.Jabua, I.I.Kupreishvili, A.V.Gigineishvili, G.N.Iluridze, I.G.Tabatadze	Electro-Physical Properties of Dysprosium Monoantimonide	Nano Studies, v.5, p.117-120	2012
Article	Sh.Abramidze, A.Gigineishvili, N.Katamadze, G.Kiknadze, G.Nabakhtiani, M.Razmadze,	The Tasks Related to the Decommissioning of Georgian Nuclear Research Reactor	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, vol.6, no.3, p.49-54	2012
Article	G.Nabakhtiani, A.Gigineishvili, L.Chkhrtishvili, Sh.Dekanosidze	Radiation Border Monitoring System in Georgia	Nano Studies, V.6, p.61-64	2012
Book	A. Gigineishvili, G.Kukuladze	The course of physics, I, the basics of mechanics and molecular physics (approved by the GTU editorial publishing board		2011
Book	A. Gigineishvili, T. Bzhalava, G.Kukuladze J. Tsertsvadze	Physics tasks mechanics, molecular physics, thermodynamics, electrostatics, electrodynamics (recommended by GT editorial publishing board)		2011
Article	Z.U.Jabua, I.G.Tabatadze, A.V.Gigineishvili.	Effect of the Oxidation State of Praseodymium Ion on the Optical Properties of PrSb ₂ Film	Inorg.Mat. V.47, N3, p.218-222	2011
Article	Z.U.Jabua, A.V.Gigineishvili, I.G.Tabatadze, I.I.Kupreishvili.	Long-term relaxation of photoconductivity in cadmium doped Gd ₂ S ₃ films.	Physical Surface Engineering, V.9, N1, p.44-49.	2011
Article	M.Chikhradze, A.Gigineishvili.	Explosive Fabrication of Intermetallics In TiAl System from Nano Al and Coarse Ti Powders.	Published by the American Institute of Physics, http://dx.doi.org/10.1063/1.3663163	2011
Article	Z.U.Jabua, K.D.Davitadze, A.V.Gigineishvili.	Photoelectrics properties of Gd and Pb doped Thulium Sesquisulfide thin Films.	Nano Studies, V.3, p.13-18	2011
Article	A.V.Gigineishvili, L.N.Gluridze, Z.U.Jabua.	Optical properties of SmSb and TmSb films.	Nano Studies, V.3, p.19-24	2011
Article	A.V.Gigineishvili, Z.V.Jibuti, N.D.Dolidze, G.N.Iluridze, T.A.Minashvili.	Optical studies of physical properties of the materials for nanoelectronics.	Nano Studies, V.4, p.55-58	2011
Article	A.V.Gigineishvili, Z.U.Jabua, M.S.Taktakishvili.	Preparation of SmSb ₂ Films and Influence of Valence of an Ion Sm on the Optical Properties.	New Developments in Materials Science. New York, Nova Publisher, Inc, p.25-35	2011
Article	A.Gigineishvili, G.Kantidze, G.Iluridze, Z.Gogua	Dependence of Presence of Shallow Impurities in Semiconductors with Tetrahedral Symmetry	Nano Studies, v.3, p.183-186	2011
Article	Jabua Z., Gigineishvili A., Iluridze G., Minashvili T., Kupreshvili I.	Optical properties of black dianthimonide thin films	Collection of articles of the XII scientific and technical conference "fundamental and applied research, development and application of high technologies in industry". St. Petersburg, Russia, v.1, pp.155-160	2011
Book	A. Gigineishvili, K.Gorgadze, G.Kukuladze L. Matsaberidze, L. Chakhvashvili	Laboratory practical physics of magnetism and optics (registered STU's editorial board		2010
Article	Z.U.Jabua, A.V.Gigineishvili, I.I.Kupreishvili	Preparation of Ho ₅ Sb ₃ thin films and their electro-physical properties	Nano studies, 1.p.43-46.2010	2010
Article	Z.Jabua I.G.Tabatadze, A.V.Gigineishvili, I.I.Kupreishvili	Preparation of terbium monosulfide thin crystalline film	Physical Surface Engineering, V.8, №4, p.333-335	2010
Article	M.Chikhradze, A.Gigineishvili, N.Chikhradze, G.Oniashvili.	Explosive Consolidation of Ultrafine Ni-Al-Ti Powder.	Book: 10 Multidisciplinary Scientific GeoConference. V., section: Micro and Nano Technologies. p.1173-1180.	2010
Article	A.V.Gigineishvili, M.S.Taktakisvili Z.Jabua	Preparation of Sm films and the influence of SmSb ₂ ion valence on their optical properties	GEN, № 3(vol.55), p.70-74	2010
Book	A. Gigineishvili, Z. Jabua	Laboratory practicum in general physics. " (Molecular Physics and Thermodynamics).		2009
Book	A. Gigineishvili, M. Bochorishvili, T. Peradze	"amotsanata k'rebuli mq'ari skheulebis pizik'ashi" "A collection of tasks in solid physical physics"		2009
Book	A. Gigineishvili, Z. Jabua	Qualitative objectives of general physics		2009
Book	A. Gigineishvili, M. Berulava, Z. Jabua	Dimension method in general physics		2009
Book	A. Gigineishvili, m. Berulava, Z. Jabua	Some aspects of general physics teaching methodology		2009

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Article	Jabua Z. Gigineishvili A.Bzhalava T. Chogovadze M.	Technology of Thin Cristalline Films of Lead-Doped Ytterbium Sesquisulfide and Investigation of Their Photoelectric Properties	Georgian International Journal of Sciences and Tecnology.V.1.Issue 3,p.25-29.2009	2009
Article	Jabua Z. Gigineishvili A. Kervalishvili P. Chogovadze M.	Preparation,alloing and Optical and Photoelectrical Properties of Pr2S3 Thin Films	Georgian International Journal ofSciences and Tecnology.V.1.Issue 4,p.31-40.2009	2009
Article	Gogua Z. Gigineishvili A. Iluridze G. Kantidze G.	Dispersion of Electrons on Ionized Admixtures in Semiconductors in Quasi-Two-Dimensional Systems	Bulletin of Georgian National Academy of Sciences.V.3,no.1.p.70-73.2009	2009
Article	Gigineishvili A. Jabua Z. Kervalishvili P. Bzhalava T.	Preparation,Alloing and properties of Pr2S3 Films	Material Science Days.Tbilisi,Georgia.p.36.2009	2009
Article	Jabua Z. Gigineishvili A. Taktakishvili M.	Preparation of SmSb2 Films and Influence of Sm Ion Valency on The Optical Properties	Material Science Days. Tbilisi,Georgia.p.37.2009	2009
Article	Jabua Z. Gigineishvili A. Bzhalava T.	Photoelectric Properties of Doped Thin Films of Some Sesquisulfides of Rare-Earth Metals	Material Science Days. Tbilisi,Georgia.p.38.2009	2009
Article	A. Gigineishvili, M. Chikhradze, G. Oniashvili	Investigation of Intermetallides, Obtained in Ti-Al System, Under Shock Wave Loadings	Supplementary Proceedings: Volume 3: General Paper selections, TMS (The Minerals, Metals	2009
Article	Chikhradze M. Gigineishvili A. Oniashvili G. Chikhradze N.	Investigations of Intermetallides,Obtained Ti-Al-B System in Dynamic Conditions	Bella Centre, Copenhagen,Denmark.p.203-208. www.epma.com/pm2009	2009
Article	Jabua Z., Gigineishvili A., Stamateli M.	Optical properties of Ytterbium Triantimonide Thin Films	Ukrainian Journal of Physics. V.35, №7,2008,p.662-665	2008
Article	Gogua Z., Gigineishvili A.V., Iluridze G., Rveliasvili G.	Low temperature breaking in semiconductors of tetrahedral symmetry	Bulletin of the Georgian Academy of Sciences.V.172.,№3.2005.p.61-62	2005
Article	Gogua Z., Gigineishvili A., Iiuridze G.	Electron Scattering on Ionized Impurities in Degenerate Semiconductors of Tetraedral Symmetry	Bulletin of the Georgian Academy of Sciences.V.172.,№1.2005.p.51-53	2005
Article	Jabua Z.U., Gigineishvili A.V., Dadiani T.O., Stamateli M.I.	Preparation of thin films of praseodymium monoantimonide and their electro-physical properties	"Georgian Engineering News" №3,2004,p.36-39	2004
Article	Gigineishvili A.V., Jabua Z.U., Davitadze K.D., Dadiani T. O., Stamateli M.I.	Preparation, alloing and optical and photoelectrical properties of thin films of neodymium sesquisulphide.	"Georgian Engineering News" №3, 2004, p.27-35.	2004
Article	Jabua Z.U., Gigineishvili A.V., Glurjidge L.N., Dadiani T.O.	Optical properties of ytterbium tetraantimonide thin films at 300k temperature	"Georgian Engineering News" №4,2004,p.41-44	2004

Scholarships and awards

Scholarships/awards name	Issuer	Year of Issue
THE ORDER OF HONOUR	Administration of the President of Georgia	2013
Medal of Honor	Administration of the President of Georgia	2003

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
VIII-INTERNATIONAL EUROPEAN CONFERENCE ON INTERDISCIPLINARY SCIENTIFIC RESEARCH	PREPARATION AND MECHANICAL DURABILITY OF ERBIUM MONOSULFIDE FILMS	Rome, Italy	2023
9th International Congress on Energy Efficiency and Energy Related Materials (ENEFM 2023)	Thermoelectric Performance Enhancement of Sol-Gel Processed Bi2Sr2Co2Oy Cobaltite by BiBO3 Doping	Fethiye-Turkey	2023
II INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES	Preparation of YbTe THIN FILMS, Electrical And Mechanical Properties	Batumi, Georgia	2022
7 th INTERNATIONAL CONFERENCE MTP-2021: MODERN TRENDS IN PHYSICS	SYNTHESIS AND TESTING OF METAL MAGNETIC AND ISOTOPIC ENRICHED BORON NITRIDE NANOPARTICLES	BAKU STATE UNIVERSITY, BAKU, AZERBAIJAN	2021
7 th INTERNATIONAL CONFERENCE MTP-2021: MODERN TRENDS IN PHYSICS	PROTON THERAPY OF CANCER USING METAL AND ISOTOPE ENRICHED BORON NITRIDE NANOPARTICLES	BAKU STATE UNIVERSITY, BAKU, AZERBAIJAN	2021

Scientific event name	Title of the presentation	Event venue	Year
7 th INTERNATIONAL CONFERENCE MTP-2021: MODERN TRENDS IN PHYSICS	DEVELOPMENT, LABORATORY STUDY AND FIELD TESTING OF NEW NANOPARTICLE BASED COMBINED INSECTICIDES	BAKU STATE UNIVERSITY, BAKU, AZERBAIJAN	2021
7 th INTERNATIONAL CONFERENCE MTP-2021: MODERN TRENDS IN PHYSICS	EXPOSURE OF CELLS AND CANCER TISSUES TO RADIOMIMETICS, LOCALIZED AND WHB HYPERTHERMIA	BAKU STATE UNIVERSITY, BAKU, AZERBAIJAN	2021
7 th INTERNATIONAL CONFERENCE MTP-2021: MODERN TRENDS IN PHYSICS	SPECIFICS OF ENHANCING SAFETY OF CANCER TREATMENT DURING PANDEMICS USING NANOPARTICLE MIXTURES	BAKU STATE UNIVERSITY, BAKU, AZERBAIJAN	2021
11 th Japanese-Mediterranean Workshop Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials	PREPARATION AND RELATIVE MECHANICAL STRENGTH OF ERBIUM MONOSELENIDE FILMS	BATUMI SHOTA RUSTAVELI STATE UNIVERSITY	2019
International Scientific and Technological Conference "Modern problem of power engineering and ways of solving them"	THERMOELECTRIC PROPERTIES OF THULIUM MONOSULPHIDE NANOFILM	Tbilisi	2019
11 th Japanese-Mediterranean Workshop Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials	Syntheses of Ti-Al-Si-B-C nanocomposites by mechanical alloying and explosive compaction	Batumi, Georgia	2019
5th International Conference „Nanotechnologies"	TECHNOLOGY OF THIN FILMS OF SOME COMPOUNDS OF RARE EARTHS ELEMENTS AND MECHANICAL PROPERTIES	Tbilisi, Georgia, November 19-22	2018
5th International Conference „Nanotechnologies"	THIN GALLIUM NITRIDE FILMS ON A3B5 SEMICONDUCTOR SURFACES: PREPARATION, POSSIBLE, APPLICATIONS	Tbilisi, Georgia, November 19-22	2018
5th International Conference „Nanotechnologies"	SOFT X-RAY PHOTOEMISSION STUDY OF Cs ADSORPTION ON InN AND GaN SURFACES	Tbilisi, Georgia, November 19-22	2018
4 th International Conference “Nanotechnologies”	The mechanism of long-range interaction with external impact	Tbilisi, Georgia	2016
Mesoscopic and Condensed Matter Physics	Mechanical properties of TbSb thin films	chicago, USA	2016
International Multidisciplinary Scientific GeoConference SGEM	FABRICATION OF ULTRAFINE GRAINED COMPOSITES BY MECHANICAL ALLOYING AND DYNAMIC CONSOLIDATION OF POWDERS.	Varna Bulgaria	2016
4 th International Conference “Nanotechnologies”	Technology of terbium monotelluride nanofilms	Tbilisi, Georgia	2016
4 th International Conference “Nanotechnologies”	Synchrotron-radiation photoemission study of the Ba atomic layer deposition on multiferroic BiFeO ₃	Tbilisi, Georgia	2016
The International Scientific Conference Dedicated to Academician I.Prangishvili's 85Th Anniversary	Structure and optical properties of copper phthalocyanine thin films grown on crystalline and amorphous substrates	Tbilisi, Georgia	2015
The International Scientific Conference Dedicated to Academician I.Prangishvili's 85Th Anniversary	Advanced methods of utilization of secondary resources for energy production and accumulation	Tbilisi, Georgia	2015
The International Scientific Conference Dedicated to Academician I.Prangishvili's 85Th Anniversary	Synchrotron - based study of electronic structure of Ba/SiC(111) interface	Tbilisi, Georgia	2015
International Conference MODERN TECHNOLOGIES AND METHODS OF INORGANIC MATERIALS SCIENCE	FABRICATION OF BULK COMPOSITE MATERIALS IN DYNAMIC CONDITION in Ti-AL-Ni-B SYSTEM	TBILISI	2015
EIGHTH INTERNATIONAL CONFERENCE "Materials and Coatings for Extreme Performances: Investigations, Applications, Ecologically Safe Technologies for Their Production and Utilization"	RADIOACTIVE WASTE MANAGEMENT IN GEORGIA	Kiev, Ukraine	2014
6th Szeged International Workshop on Advances in Nanoscience	Explosive Fabrication of Bulk Ti-Ni-Al Nanocomposites	Szeged, Hungary	2014
International Conference. Nanosensory systems and nanomaterials.	Program & Abstracts. Production of thulium sesquisulfide thin films by discrete evaporation and their mechanical properties	Tbilisi, Georgia. P.74	2013

Scientific event name	Title of the presentation	Event venue	Year
International Conference. Nanosensory systems and nanomaterials.	Programe & Abstracts. Optical properties of Dysproysium Monoantimonide Thin Films	Tbilisi,Georgia. P.92-93	2013
International Conference. Nanosensory systems and nanomaterials.	Programe & Abstracts. Electrophysical Properties of TbS Thin Films	Tbilisi,Georgia. P.73	2013
The International Scientific Conference dedicated to the 90-th anniversary of Georgian Technical University Basic Paradigms in Science and Technologi Development for the 21st Century	Bulk Nanostructured Materials Obtained by Shock Waves Compaction of Nanocrystalite al and Coarse Ti	Tbilisi,Georgia	2012
The International Scientific Conference dedicated to the 90-th anniversary of Georgian Technical University Basic Paradigms in Science and Technologi Development for the 21st Century	The Relative Mechanical Strength of Praseodymium Diantimonide Thin Films	Tbilisi,Georgia	2012
76 AnnualConference of The DPG(Deutschen Physikalischen Gesellschaft)and DPG-fruhjahrstagung 2012(Spring Meeting)os the Condensed Matter Section	The absorption speqtra of PrSb2 thin films of golden qolour	Berlin	2012
International Scientific Conference-International Cooperation for Sustainable Development through Science and Technology	Dependence of width of forbidden zone from shallow impurities in semiconductors with tetrahedral symmetry	Tbilisi,Georgia	2011
International Scientific Conference "Modern Issues of Applied PHysics"	Dependence of band gap width from shallow impurities in semiconductors with tetrahedral symmetry	Tbilisi,Georgia	2011
Coilection of articles of conference	Optical properties of PrSb2 thin films of black coloring	St-Peterburg,Russia	2011
Abstracts. International conference “Spin Electronics: Novel Physical Phenomenon and Materials”	“Electrophysical and Optical Properties of SmSb and TmSb Thin Films.	Tbilisi, Georgia. p.62	2007
Fourth International Conference “Materials and Coatings for Extreme Performances: Investigations, Applications, Ecologically Safe Technologies for Their Production and Utilization”	“Reverse Shape Memory Effect in Some Titanium Based Alloys”	Crimea, Ukraine. p. 223.	2006
International conference “Measuring microsystems for environment monitoring”	“Preparation, alloing and optical and photoelectrical properties of thin films of neodium sesquisulphides.”	Tbilisi, Georgia, p. 10-13	2004

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