

List of scientific and educational works

Zurab Sabashvili

N	Title of scientific works	printed or handwritten	Journal, book (textbook) publisher, number, year, Copyright certificate number	Number of pages	Co-Authors
1	2	3	4	5	6
1	The device for plasma-mechanical drilling of hard rocks	Pr.	The International Scientific Conference Dedicated TO The 90 th Anniversary of Georgian Technical University. Transactions "Basic Paradigms in Science and Technology Development for the 21 st Century" Tbilisi, Georgia, September 19-21, 2012.	166-169	D. Tavkhelidze
2	Analytical representation of Volt-Ampere characteristics of the welding machine.	“-“	Georgian Engineering News. №3 vol. 63 2012	49-51	A. Sulamanidze; Z. Mchedlishvili; A. Gordeziani; N. Kodua. N.Kentchiashvili; T. Besiashvili
3	Joining of an additional side electrode to the engine spark plug	“-“	Georgian Engineering News. №4 vol. 64 2012	66 – 69	A.Sulamanidze M. Khutsishvili I. Chanadiri and etc.
4	Influence of the plazma forming environment on the resource of work of the thermo-chemical cathode	“-“	Transactions Georgian Technical University№4 (486). 2012 წ.	38-42	A. Sulamanidze, A. Gordeziani, N. Kodua, Z. Mchedlishvili.
5	The possibilities of plasmatron nozzlecooling intensification	“-“	Transactions Georgian Technical University№1 (487). 2013 წ.	71-74	D. Tavkhelidze Z. Mchedlishvili
6	Plasma cutting of high-strength composites made of aramid fiber	“-“	Georgian Engineering News. . №1 vol. 65 2013 წ	110-113	Z. Tadumadze, A. Sulamanidze, N. Kodua, Z. Mchedlishvili
7	Thermal balance of plasmatic processing of materials in the environment of water steam	“-“	Transactions Georgian Technical University №2 (488). 2013	44-48	D. Tavkhelidze Z. Mchedlishvili A. Sulamanidze, N. Kodua
8	Plasmatic arc cutting at high pressures	“-“	Transactions Georgian Technical University №2 (488). 2013	48-52	D. Tavkhelidze A. Sulamanidze, N. Kodua I. Pukhashvili
9	Advantages of plasma cutting in superheated water vapor at metallurgical enterprises	“-“	Journal of Technical Science and Technologies. International Black Sea University. N2(3) 2014	5-8	T. Loladze, N. Kenchiashvili, M. Mousa
10	Effect of temperature and water vapor pressure on surface	“-“	Transactions Georgian	182-189	T. Loladze, N. Kenchiashvili,

	quality of the cutting during water vapor plasma cutting		Technical University №3 (497).2015		
11	Analysis of self-excited electromagnetic oscillations occurring in single-phase asynchronous motors	“-“	Scientific and Technical Journal “Energy” №1 (77) 2016	33-36	Z. Mchedlishvili; G. Bagdavadze;
12	Spot welding by a bilateral scheme	“-“	Georgian Engineering News. №4 vol. 80 2016 წ.	105-107	A. Metreveli- Mandaria; M. Kapanadze
13	STUDY OF THE SERVICE LIFE OF PLASMATRON IN A SUPERHEATED STEAM MEDIUM OF HIGH PRESSURE	“-“	Georgian Engineering News. . №1 (81) 2017 წ.	76-77	Loladze T.O., Metreveli-Mandaria A.B.; Kenchiashvili N.A
14	Dynamics of machine unit containing linear mechanical characteristics of working mechanism and flexible shaft	“-“	"Transport and Mechanical Engineering" N2 (39) 2017	39-44	Z. Mchedlishvili; G. Bagdavadze; L. Tediashvili
15	FEASIBILITY OF USE IN BIOTECHNOLOGIES OF HYDROGEN PEROXIDE VAPOR, AN AQUEOUS SOLUTION OF SEA SALT AND AN AQUEOUS SOLUTION OF SODIUM BICARBONATE (NaHCO ₃) AS PLASMA-FORMING MEDIA WHEN GENERATING THE NON-EQUILIBRIUM PLASMA	“-“	Georgian Engineering News. . №2 vol. (82) 2017	138-141	
16	Plasma cutting and reinforcement of materials	“-“	Course of lectures electronic version 2018	135	
17	Welding of Nonmetallic Materials	“-“	Course of lectures electronic version 2018	106	
18	Processing of Materials	“-“	Course of lectures electronic version 2018	416	Z. Lomsadze; S. Mebonia; M. khutsishvili V. Kopaleishvili, R. Gvetadze
19	Synthesis and application of the new titanium alloys in the mining machines and complexes.	“-“	Georgian Oil and Gaz N34, 2021 წ.	42-45	<u>N. Rachvelishvili</u>

20	Investigation of mechanical strength and viscosity of fluid slag of the new coating manual arc welding electrode	“-“	Georgian Engineering News. N2, vol 93, 2021	63 - 67	Sulamanidze A.K Nikolava O.I. Vatitadze G.Z.
21	Formation of laser beam strengthened surface layers	in print	International scientific conference “Chemistry – achievements and perspectives” dedicated to the 90 th anniversary of the birth of academician Givi Tsintsadze. GTU, Georgia, Tbilisi 20 April, 2023		N. Kenchiashvili, T. Loladze, G. Gordeziani, N. Kanteladze,
22	Research of Leaching Process and Intensification of Parameters of Arsenic containing Sulfide raw materials	in print	International scientific conference “Chemistry – achievements and perspectives” dedicated to the 90 th anniversary of the birth of academician Givi Tsintsadze. GTU, Georgia, Tbilisi 20 April, 2023		T.Tsilosani, T. Cercvadze, T.Buchukuri, N. Rachvelishvili
23	The use of plastic deformation in details repair	print	Science and Technologies №2(742), Tbilisi, 2023	38--48	S. Mebonia G. Otashashvili J. Sharashenidze
24	Determination of impact forces in radial-forging machine	ნაბეჭდი	International Scientific Journal “problems in Mechanics” N2 (91) 2023	15-22	T. Natriashvili S. Mebonia
25	Laboratory works in Theoretical Basics of Welding		electronic version 2024	30	