

List of scientific papers

Turdzeladze Malkhaz , Son of Nodar

(last name, name, Father's name)

N	Title of scientific works	printed	Publishing house, magazine (issue, year) or copyright certificate number		Last name of the co-author
1	2	3	4	5	6
1	Study of the nature of acoustic emission in concretes of different compositions	printed	Quality and reliability of building materials and structures in modern construction. Abstracts of the report of the All-Union. School-Seminar of Young Scientists. - Batumi, 1984.	1	
2	Relationship between the number of acoustic emission pulses and the loading intensity in concrete under axial compression	printed	Abstracts of the reports of the III Transcaucasian conference of young builders. Yerevan 1984	1	
3	Acoustic emission and evaluation of concrete destruction process under compression	printed	Information leaflet. Construction and architecture Gruniti 1984 - №13	3	Cilosani Z. N. Jugheli D.D.
4	Character of acoustic emission at different levels of concrete loading	printed	Mechanics and technology of composite materials // Proceedings of the IV National Conference on Mechanics and Technology of Composite Materials – Varna. October 2-4, 1985, Sofia	3	Cilosani Z. N. Jugheli D.D.
5	Acoustic emission of fine-grained concrete of different curing regimes	printed	Quality and reliability of building materials and structures in modern construction. Abstracts of the report. All-Union. School-Seminar of Young Scientists. Kobuleti, 1986	1	
6	Structural changes in concrete during loading	printed	Architecture and construction of the Georgian SSR (advanced experience) M. Stroyizdat, 1987	4	Cilosani Z. N. Jugheli D.D. Abashidze Z.C.
7	Study of the process of acoustic emission of concrete under static loading with holding on steps	printed	Quality and reliability of building materials and structures in modern construction. Abstracts of the report of the All-Union. School-Seminar of Young Scientists. Batumi, 1988	1	
8	The nature of acoustic emission during compression of concrete of different humidity	printed	Concrete and reinforced concrete in power engineering. Proceedings of the All-Union Conference on Concrete and Reinforced Concrete. Kazan, 1989.	5	Cilosani Z. N. Jugheli D.D.
9	Measurement technique – “Strength and deformation characteristics of concrete under uniaxial short-term	printed	M. Seandarts. 1989 g.	3	Jugheli D.D. Carigo V.P.

	static compression and tension”				
10	The influence of concrete curing conditions on the level of intense cracking under axial compression	printed	Information leaflet. Construction and architecture, GruzNIITI – 1991. - №2	3	Jugheli D.D.
11	Influence of filler density on the process of intensive cracking in concrete	printed	Magazine of building materials and products, 1999. No. 3-4	3	Z. Karumidze
12	Influence of the scale factor on the crack formation process in fine-grained concrete	printed	Magazine of Building Materials and Products, 2000, 1–2	3	Z. Karumidze
13	Influence of filler density on destruction processes during concrete compression.	printed	Triennial/technical conference "Construction and XXI century" dedicated to the 75th anniversary of the Department of Building Constructions, Tbilisi, 2005.	5	
14	Use of porous paving stone quarry waste in lightweight concrete.	printed	"Energy" magazine, No. 1(37), 2006	2	L. Ugulava T. Nareklshvili
15	Influence of various factors on the process of intense cracking during concrete static loads (monograph)	printed	Ave. "Polyexpress", ISBN 99940-0-987-7, Tbilisi, 2006.	86 p.	
16	Methodological guidelines for the implementation of the curriculum in the technology of concrete and reinforced concrete products.	printed	"Media-Service", ISBN 99940-0-988-5, Tbilisi, 2006.	50 p.	Z. Karumidze
17	Methodological instructions for the implementation of the course planner in the technology of concrete and reinforced concrete products - "Technological calculation of the molding workshop of reinforced concrete products"	printed	"Media-Service", ISBN 99940-67-45-1, Tbilisi, 2006.	35 p.	Z. Karumidze
18	Technology of concrete and reinforced concrete products (assistant manual).	printed	"Technical University", Tbilisi, ISBN 99940-57-45-6, Tbilisi, 2006.	20 p.	Z. Karumidze
19	The influence of structural factors on the processes of deformation and rupture of concrete.	printed	Magazine "Construction", No. 1, 2006	6 p.	L. Zukatishvili
20	Effect of mineralogical composition of cement on boiling strength and deformability.	printed	Magazine "Construction", No. 2(5), 2007	9 p.	T. Nareklshvili I. Khergian
21	Some properties of lightweight concrete and factors affecting them	printed	"Construction" magazine, No. 4(7), 2007	6 p.	T. Chubinidze
22	Effect of concrete hardening on its deformation and failure	printed	"Construction" magazine, No. 2(9), 2008.	5 p.	L. Zukatishvili
23	A concrete shear creep model that takes into account the age of the material	printed	"Hydroengineering" magazine, No. 2(6), 2008	5 p.	A. Sakvarelidze N. Ghudushauri
24	Production of lightweight concrete using Duruji clay-shale (monograph)	printed	"Media-Service", ISBN 978-9941-0-0892-4, Tbilisi, 2008,	77 p.	Z. Karumidze
25	Effect of age of fine-grained concrete on creep of composite during twisting	printed	Magazine "Science and Technology", No. 1(3), 2009	3 p.	A. Sakvarelidze N. Ghudushauri I. Giorgadze

26	Creepability of concrete with different moisture content during bending	printed	"Energy" magazine, No. 1(49), 2009	4 p.	A. Sakvarelidze N. Ghudushauri
27	Designing technological processes of specialized concrete and reinforced concrete enterprises (monograph)	printed	Publishing house "Momavlidan" E-mail: momavlidan @ yahoo.com ISBN 978-9941-0-1317-1, Tbilisi, 2009	265 p.	
28	Effect of fiber concrete age on composite creep during torsion	printed	Magazine "Construction", No. 3(14), Tbilisi 2009	4 p.	A. Sakvarelidze N. Ghudushauri
29	Mechanical characteristics of fine-grained concrete with different moisture content during twisting at different rates of deformation	printed	Magazine "Construction", No. 3(14), Tbilisi 2009	3 p.	A. Sakvarelidze N. Ghudushauri
30	Designing of specialized concrete and reinforced concrete enterprises (manual)	printed	Publishing House "Technical University", ISBN 978-9941-14-411-0, Tbilisi, 2009	267 p.	A. Nadiradze
31	Influence of structural factors on deformation and rupture of concrete (monograph)	printed	Publishing house "Momavlidan-" E-mail: momavlidan @ yahoo.com, ISBN 978-9941-0-1668-4, Tbilisi, 2009	114 p.	L. Zukatishvili
32	Tuff and tuff residues in lightweight concrete production (monograph)	printed	"Chokhi" publishing house, ISBN 978-9941-0-2716-1, Tbilisi, 2010	125 p.	Z. Karumidze
33	Manufactured from Lokal Raw Materials Effective and Energi Saving Foam Concrete	printed	International Conference & Exhibition. Batumi – Spring – 2010, May 7 – 9	2 p.	Z. Karumidze
34	Influence of additives on destructive processes during loading in concrete	printed	International Scientific-Technical Conference "Problems of Construction Mechanics". A collection of works. June 15-17, Tbilisi, 2010	4 p.	T. Nareklishvili
35	Effect of Concrete Moisture Content on the Level of Intensive Cracking under Compressive Loading	printed	II International Scientific and Technical Conference "Architecture and Construction - Current Issues", Yerevan, Jermuk, October 1-3, 2010	4 p.	G. Tatarashvili
36	A collection of tasks and tests in building materials (help guide)	printed	Publishing House "Technical University", ISBN 978-9941-14-870-5 Tbilisi, 2010	120 p.	T. Nareklishvili
37	Ecologically clean foam concrete made from local materials from Georgia.	printed	International scientific and technical conference of the Vladikavkaz Scientific Center of the Russian Academy of Sciences and the Government of the Republic of North Ossetia-Alania. Vladikavkaz 2011	3 p.	G. Tatarashvili Z. Karumidze I. Giorgadze
38	Self-compacting concrete - an effective tool for solving today's construction tasks	printed	"Energy" magazine, No. 2 (58), 2011	3 p.	G. Tatarashvili I. Giorgadze
39	Soundproofing problems of modern elite housing	printed	"Construction" magazine, No. 1(20), 2011	4 p.	Z. Karumidze A. Chikovani
40	Technical supervision and quality construction	printed	"Construction" magazine, No. 1(20), 2011	4 p.	Z. Karumidze A. Chikovani

41	Some aspects of modern house construction	printed	"Energy" magazine, No. 3(59), 2011	6 p.	A. Chikovani Z. Karumidze
42	Modern technology of concrete production	printed	"Energy" magazine, No. 3(59), 2011	3 p.	Z. Karumidze
43	Superdispersed Wastes of the Ferromagnetik Alloys in the High-Strength Concrete Tegnologi. Innovative Materials and Technologies for Concrete Structures	printed	Central European Congress on Concrete Engineering, Balatonfured, Hungary 22 to 23 September 2011	5 p.	G.Tatarashvili I. Giorgadze,
44	Use of clay-shales from the alluvial deposits of Duruj valley in lightweight concretes.	printed	Collection of works of Kutaisi State University named after Akaki Tsereteli, 2013.	4 p.	Z. Karumidze M. Vardiashvili
45	Superplasticizers - an effective means of making new generation concretes.	printed	Scientific and technical magazine "Construction" No. 2(29) Tbilisi 2013	5 p.	Z. Karumidze L. Loladze
46	Concept of concretes of the future and prospects of its realization	printed	Scientific and technical magazine "Construction" No. 2(29) Tbilisi 2013	4 p.	L. Loladze
47	Modern approaches to design of high strength concrete composition.	printed	International Scientific Journal "Intellectual" No. 23 Tbilisi 2013	5 p.	Z. Karumidze
48	Super-plasticizers in technology of manufacturing of energy-saving aeratet-sandvich articles		Georgian Technical University		Z. Karumidze
49	Technology of preparation of dry cement-sand mixture		Scientific and technical journal "Construction" 1(32), Tbilisi 2014. p. 86-90	5 p.	Z. Karumidze
50	Peculiarities of dry fermentation preparation		Scientific and technical magazine "Energy" N2(70), Tbilisi 2014. pp. 96-100	5 p.	Z. Karumidze
51	Some aspects of deformation and failure of concrete		Scientific and technical magazine "Construction" N2(37) Tbilisi 2015.		Z. Karumidze
52	Suggested σ - ε hook me. Transformations The elastic successor of the theory of inheritance (the theory of the elastic body). the aging process. Accordingly		Scientific and technical magazine "Energia" No. 1(77) 2016		G. Gvinchidze J. Esaishvili N. Eremadze M. Abazadze
53	Determination of the proposed spectrum of dependence parameters ΘC , φk , β , $\dot{\nu}$, m , $k\theta$ for concretes of classes B15-B60		Scientific and technical magazine "Energia" No. 1(77) 2016		G. Gvinchidze J. Esaishvili N. Eremadze M. Abazadze
54	Study of the possibility of using clay for road and hydrotechnical construction	printed	"Energy" magazine, No. 1(81), 2017	4 p.	R. Skvitaridze B. Keshelava M. Abazadze T. Papuashvili
55	Science of building materials (manual)	printed	Publishing House "Technical University", ISBN 978-9941-20-828-7 Tbilisi, 2017	315 p.	Z. Karumidze T. Nareklashvili
56	As an energy-efficient porous filler for cement concrete, Md. Technological bases of modification of Duruji clay	printed	Reporter of the National Academy of Sciences of Georgia t. 15, N2, Tbilisi, 2021	7 p.	R. Skvitaridze, E. Shafakidze, M. Abazadze, T. Cheishvili, Sh. Verulava, I. Gejadze,

					A. Skvitaridze
57	Physical-Chemical principles of clay modifying into filler, pozzolanization through rehydro-liming, for cement concrete resistance to the natural disasters	printed	Acta Geodyn. Geomater., Vol. 18, No. 4 (204), 2021 Y. DOI: 10.13168/AGG.2021.0036 https://www.irsm.cas.cz/acta	8 p.	R. Skvitaridze, E. Shafakidze, M. Abazadze, T. Cheishvili, I. Gejadze, A. Skvitaridze
58	Determining the types of pores in the porous structure of puffed Kvarli clay.	printed	Magazine "Ceramics and Advanced Technologies" N46, p. 99-103. 23.02.2021 ISSN 1512-0325		T. Cheishvili, R. Skvitaridze, G. Loladze, M. Abazadze.
59	Technogical Basis of modification of Clay Shale of the River Duruji into the Energy Efficient Porous Aggregate Claydite for Cementconcrete.	printed	Bulletin of the National Academy of Sciences of Georgia, Vol. 15, No. 2. 2021 ISSN 0132-1447		R. Skvitaridze, A. Skvitaridze, e. Shafakidze, M. Abazadze, T. Cheishvili, Sh. Verulava, I. Gejadze,
60	river In the bed of Duruji St. The method of production of ceramsite from clay sediment accumulated near Kvareli	printed	Patent, invention No. P 2021 7255 B, 28. 04. 2021		R. Skvitaridze, e. Shafakidze, M. Abazadze, Sh. Verulava, I. Gejadze,
61	Modification of Georgian clay rocks into porous products for filling and filling of energy-efficient and weather-resistant concrete	printed	Shota Rustaveli National Science Foundation Grant No. AR-18-343. coordinator, 2018-2022		M. Abazadze, N. Eremadze, R. Skvitaridze, B. Dolidze
62	Complex mineral admixture for concretes, production-usability validation by testing in an industrial environment	printed	Shota Rustaveli National Science Foundation grant No. AR-22-2064. responsible. 23.02.2022. Grant: By: T. Batsikadze.		T. Batsikadze, R. Skvitaridze, D. Bedukadze, L. Baramadze
63	Dehydration of the Crushed Mountain Rock Mass-Additive for Improving the Structure of Concrete Obtained by Grinding	printed	Magazine "Construction" No. 4(68), 2023 p. 10-16		T. Batsikadze, R. Skvitaridze, D. Bedukadze, A. Skvitaridze, L. Baramadze
64	The influence of the quality and dosage of the components on the properties of the concrete mix and hardened concrete	printed	Journal „Energy“ N1 (109) 2024 ISSN 1512-0120	6 P.	
65	Complex Mineral Additive for Producing High-quality Concrete	printed	Bulletin of the Georgian National Academy of Sciences (vol 18, N4, 2024) ISSN: 0132-1447	5 P.	
66	Complex mineral admixture for concrete, validated for production and use by testing in an industrial environment	printed	Shota Rustaveli National Science Foundation Grant AR-22-2064 for 2022-2024	8 p.	