

List of scientific and educational-methodical works of Zurab Gogilashvili

| № | Title of scientific works | | Publishing house (name, number, year) or copyright certificate number | Number of sheets | Last name of the co-author |
|----|--------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Morphological constructions in pyramidal coding of images. | | Energy, Telecommunications and Higher Education in Modern Conditions. Almaty Institute of Energy and Communications. Almaty 2000. | 3 | N.G.Kharatishvili, I.M. Chkheidze, Z.J. Gogilashvili, V.G. Steperman, N. Abzianidze. |
| 2 | Coded images based on the construction of the Morphological pyramid. | | Optoelectronic information and energy technologies 2002, No. 1(3) | 7 | N.G.Kharatishvili, I.M. Chkheidze, Z.J. Gogilashvili, |
| 3 | Applying morphological transformations to pyramidal image coding. | | Digital signal processing. 2003, No. 1, | 6 | N.G.Kharatishvili, I.M. Chkheidze, Z.J. Gogilashvili, |
| 4 | Statistical characteristics of morphological pyramidal structures for various types of images | | Industrial ACS controllers 2003, No. 3 | 4 | N.G.Kharatishvili, I.M. Chkheidze, Z.J. Gogilashvili, |
| 5 | Morphological pyramid construction in digital image processing. | | Science and Technology. 2003, No. 4-6, | 7 | Z.Gogilashvili, |
| 6 | Properties of the morphological pyramid in image coding. | | Science and Technology. 2003, No. 7-9, | 4 | Z.Gogilashvili, |
| 7 | Digital coding of image sequences with interframe nonlinear prediction. | | Georgian engineering news, 2003, №2, | 4 | N.G.Kharatishvili, I.M. Chkheidze, Z.J. Gogilashvili, |
| 8 | Combined image coding methods. | | Georgian engineering news, 2003, №3, | 4 | N.G.Kharatishvili, I.M. Chkheidze, Z.J. Gogilashvili, |
| 9 | Morphological pyramidal coding of images under conditions of random errors. | | Supplement to "Moambe" magazine of the Academy of Education Sciences of Georgia. 2005 | 5 | N. Kharatishvili, I. Chkheidze, Z. Gogilashvili, |
| 10 | A structural scheme of a video conference connection based on the use combined methods of image compression. | | Intelligence magazine, 2005 | 2 | Z.Gogilashvili, |
| 11 | Optical transport networks (OTN) as information transmission A method of increasing reliability | | International Conference on Developments in Education Hosted from Toronto, Canada https://econferencezone.org 21 st July 2023 pj 1-8 | 8 | Zurab Gogilashvili Nana Rostiashvili |
| 12 | Development of WDM - wave multiplexing systems | | 9TH INTERNATIONAL NEW YORK CONFERENCE ONEVOLVING TRENDS IN INTERDISCIPLINARY RESEARCH & PRACTICES OCTOBER 1-3, 2023 MANHATTAN, NEW YORK CITY Pj 25-26 | 2 | Zurab Gogilashvili Nana Rostiashvili |