

# Publication list 2018

**Report date:** 2020-01-08  
**Period:** 2018-01-01 - 2018-12-31  
**Object type:** Publication database  
**Institution:** Vilnius University (company code: 211950810)  
**Subdivisions:** Faculty of Mathematics and Informatics > Data Science and Digital Technologies Institute (111400); Institute of Mathematics and Informatics (580000)

1	<b>K5 – Compiled and / or edited scientific publication</b>
1	<b>K5 - Compiled and / or edited scientific publication</b>
1	Kirikova, Marite (red.); <b>Lupeikienė, Audronė (red.)</b> ; Teniente, Ernest (red.). Proceedings of the doctoral consortium papers presented at the 30th international conference on advanced information systems engineering (CAiSE 2018), Tallinn, Estonia, June 11-15, 2018 : Edited by CAiSE 2018 Doctoral Consortium Chairs : Marite Kirikova, Audrone Lupeikiene, Ernest Teniente. Aachen : CEUR-WS.org, 2018. 113 p. (CEUR workshops proceedings, ISSN 1613-0073 ; vol. 2114). On the Internet: < <a href="http://ceur-ws.org/Vol-2114/">http://ceur-ws.org/Vol-2114/</a> > [seen 2019-01-02]. [Contribution: 0,333] [Scientific direction: N 009,T 007]
2	<b>Lupeikienė, Audronė (red.)</b> ; Matulevičius, Raimundas (red.); Vasilecas, Olegas (red.). CEUR Workshop Proceedings. Joint Proceedings of Baltic DB&IS 2018 Conference Forum and Doctoral Consortium co-located with the 13th International Baltic Conference on Databases and Information Systems (Baltic DB&IS 2018), Trakai, Lithuania, July 1-4, 2018. Vol. 2158 : edited by. Aachen : CEUR-WS.org, 2018. 176 p. (CEUR workshop proceedings, eISSN 1613-0073 ; vol. 2158). On the Internet: < <a href="http://ceur-ws.org/Vol-2158/">http://ceur-ws.org/Vol-2158/</a> >. [Contribution: 0,334] [Scientific direction: T 007]
2	<b>P1 – Articles in peer-reviewed publications publishing conference proceedings</b>
1	<b>P1a – Article in Conference Proceedings DB Clarivate Analytics Web of Science</b>
1	<b>Berniukevičius, Andrius</b> . On application of semantic Web technologies to personalise learning // INTED 2018: 12th international technology, education and development conference, 5-7 March, 2018, Valencia, Spain : proceedings. Valencia : IATED Academy, 2018. ISBN 9788469794807. ISSN 2340-1079. p. 4281-4288. (INTED Proceedings, ISSN 2340-1079). DOI: 10.21125/inted.2018.0829. [DB: Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 1,000] [Scientific direction: T 007]
2	Čiegis, Raimondas; Starikovičius, Vadimas; Margenov, Svetozar; <b>Kriauzienė, Rima</b> . A comparison of accuracy and efficiency of parallel solvers for fractional power diffusion problems // Parallel Processing and Applied Mathematics : 12th international conference, PPAM 2017, Lublin, Poland, September 10–13, 2017 : revised selected papers, Part I / editors Roman Wyrzykowski, Jack Dongarra, Ewa Deelman, Konrad Karczewski. Basel : Springer International Publishing, 2018. ISBN 9783319780238. eISBN 9783319780245. p. 79-89. (Lecture Notes in Computer Science, ISSN 0302-9743, eISSN 1611-3349 ; Vol. 10777). DOI: 10.1007/978-3-319-78024-5_8. [DB: Conference Proceedings Citation Index - Science (Web of Science); SpringerLink; Scopus] [Contribution: 0,125] [Scientific direction: T 007,N 009,N 001]
3	Fernandez, Pascual; Pelegrin, Blas; <b>Lančinskas, Algirdas; Žilinskas, Julius</b> . The Huff versus the Pareto-Huff customer choice rules in a discrete competitive location model // Computational science and its applications – ICCSA 2018: 18th international conference, Melbourne, VIC, Australia, July 2–5, 2018: proceedings / Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, ... [et al.] (Eds.). Cham : Springer, 2018. ISBN 9783319951645. eISBN 9783319951652. p. 583-592. (Lecture notes in computer science, ISSN 0302-9743, eISSN 1611-3349 ; vol. 10961). DOI: 10.1007/978-3-319-95165-2_41. [DB: Scopus; Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 0,500] [Scientific direction: T 007,N 009]
4	<b>Jevsikova, Tatjana; Dagienė, Valentina; Dolgopolovas, Vladimiras</b> . On preferences of novice software engineering students: temperament style and attitudes towards programming activities // Informatics in schools: fundamentals of computer science and software engineering : 11th international conference on informatics in schools: situation, evolution, and perspectives, ISSEP 2018, St. Petersburg, Russia, October 10-12, 2018 : proceedings / editors: Sergei N. Pozdniakov, Valentina Dagienė. Cham : Springer, 2018. ISBN 9783030027490. eISBN 9783030027506. p. 101-113. (Lecture notes in computer science, ISSN 0302-9743, eISSN 1611-3349 ; vol. 11169). DOI: 10.1007/978-3-030-02750-6_8. [Contribution: 1,000] [Scientific direction: N 009,T 007]
5	<b>Korvel, Gražina</b> ; Kostek, Bozena. Examining feature vector for phoneme recognition // 2017 IEEE International symposium on signal processing and information technology (ISSPIT). New York : IEEE, 2017. ISBN 9781538646625. ISSN 2162-7843. p. 394-398. DOI: 10.1109/ISSPIT.2017.8388675. [DB: Conference Proceedings Citation Index - Science (Web of Science); IEEE Xplore] [Contribution: 0,500] [Scientific direction: T 007]

6	Stabingis, Giedrius; <b>Bernatavičienė, Jolita</b> ; <b>Dzemyda, Gintautas</b> ; Paunksnis, Alvydas; <b>Treigys, Povilas</b> ; Ramutė, Vaičiaitienė; Stabingienė, Lijana. Automatization of eye fundus vessel width measurements // VipIMAGE 2017 : proceedings of the VI ECCOMAS thematic conference on computational vision and medical image processing, Porto, Portugal, October 18-20, 2017 / eds.: João Manuel R.S. Tavares, R.M. Natal Jorge. Cham : Springer Nature, 2018. ISBN 9783319681948. eISBN 9783319681955. p. 787-796. (Lecture notes in computational vision and biomechanics, ISSN 2212-9391, eISSN 2212-9413 ; vol. 27). DOI: 10.1007/978-3-319-68195-5_85. [DB: Conference Proceedings Citation Index - Science (Web of Science); SpringerLink; Scopus] [Contribution: 0,426] [Scientific direction: M 001,N 009]
7	Tamulevičius, Gintautas; <b>Kaukėnas, Jonas</b> . High-order autoregressive modeling of individual speaker's qualities // The 5th IEEE Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE'2017), Riga, Latvia, November 24–25, 2017 : proceedings. New York : IEEE, 2017. ISBN 9781538641385. eISBN 9781538641378. p. 1-6. DOI: 10.1109/AIEEE.2017.8270551. [DB: Scopus; IEEE Xplore; Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 0,500] [Scientific direction: T 007]
8	Tekutov, Jurij; Denisov, Vitalij; <b>Gudas, Saulius</b> ; Smirnova, Julija. The refinement of curricula content based on a problem domain model // ISMSIT 2018 : 2nd international symposium on Multidisciplinary Studies and Innovative Technologies : Kızılcahamam / Ankara / Turkey, October 19-21, 2018 : proceedings. Piscataway : IEEE, 2018. ISBN 9781538641859. eISBN 9781538641842. p. 689-694. DOI: 10.1109/ISMSIT.2018.8567269. [DB: Conference Proceedings Citation Index - Science (Web of Science); Scopus] [Contribution: 0,250] [Scientific direction: T 007,N 009]
2	<b>P1c – Article in conference proceedings in other databases</b>
1	<b>Bulavas, Viktoras</b> . Investigation of network intrusion detection using data visualization methods // 59th International scientific conference on information technology and management science of Riga Technical University (ITMS), October 10-12, 2018, Riga, Latvia : proceedings. Piscataway : NJ : IEEE, 2018, art. no. 8552977. eISBN 9781728100982. p. [1-6]. DOI: 10.1109/ITMS.2018.8552977. [DB: Scopus; IEEE Xplore] [Contribution: 1,000] [Scientific direction: N 009]
2	<b>Dzemyda, Gintautas</b> . Data science and advanced digital technologies // Databases and information systems : 13th international Baltic conference, DB&IS 2018, Trakai, Lithuania, July 1–4, 2018 : proceedings / edited by Audrone Lupeikiene, Olegas Vasilecas, Gintautas Dzemyda. Cham : Springer, 2018. ISBN 9783319975702. eISBN 9783319975719. p. 3-7. (Communications in computer and information science, ISSN 1865-0929, eISSN 1865-0937 ; vol. 838). DOI: 10.1007/978-3-319-97571-9_1. [DB: Scopus] [Contribution: 1,000] [Scientific direction: N 009,T 007]
3	<b>Korvel, Gražina</b> ; <b>Kurasova, Olga</b> ; Kostek, Bozena. Comparative analysis of spectral and cepstral feature extraction techniques for phoneme modelling // Multimedia and network information systems : proceedings of the 11th international conference MISSI 2018 / editors Kazimierz Choroś, Marek Kopel, Elżbieta Kukla, Andrzej Siemiński. Cham : Springer, 2018. ISBN 9783319986777. eISBN 9783319986784. p. 480-489. (Advances in intelligent systems and computing, ISSN 2194-5357, eISSN 2194-5365 ; vol. 833). DOI: 10.1007/978-3-319-98678-4_48. [DB: SpringerLink] [Contribution: 0,667] [Scientific direction: T 007]
4	<b>Miliauskas, Arūnas</b> ; <b>Dzemydienė, Dalė</b> . An approach to designing belief-desire-intention based virtual agents for travel assistance // Baltic DB&IS 2018: Joint proceedings of the conference forum and doctoral consortium co-located with the 13th international Baltic conference on databases and information systems, Trakai, Lithuania, July 1–4, 2018 / edited by: Audrone Lupeikiene, Raimundas Matulevičius, Olegas Vasilecas. Aachen : CEUR-WS, 2018. ISBN 9783319975702. p. 94-103. (CEUR workshop proceedings, ISSN 1613-0073 ; vol. 2158). On the Internet: < <a href="http://ceur-ws.org/Vol-2158/paper10.pdf">http://ceur-ws.org/Vol-2158/paper10.pdf</a> > [seen 2018-12-10]. [DB: Scopus] [Contribution: 1,000] [Scientific direction: T 007]
5	<b>Savukynas, Raimundas</b> ; <b>Dzemydienė, Dalė (vadov.)</b> . Security means in multilayered architecture of Internet of Things for secure communication and data transmission // Baltic DB&IS 2018: Joint proceedings of the conference forum and doctoral consortium co-located with the 13th international Baltic conference on databases and information systems, Trakai, Lithuania, July 1–4, 2018 / edited by: Audrone Lupeikiene, Raimundas Matulevičius, Olegas Vasilecas. Aachen : CEUR-WS, 2018. ISBN 9783319975702. p. 127-134. (CEUR workshop proceedings, ISSN 1613-0073 ; vol. 2158). On the Internet: < <a href="http://ceur-ws.org/Vol-2158/paper13dc1.pdf">http://ceur-ws.org/Vol-2158/paper13dc1.pdf</a> > [seen 2018-09-10]. [DB: Scopus] [Contribution: 1,000] [Scientific direction: T 007]
6	<b>Stankevičius, Mantas</b> ; <b>Marcinkevičius, Virginijus</b> ; Rapševičius, Valdas. Comparison of supervised machine learning techniques for CERN CMS offline data certification // Joint Proceedings of Baltic DB&IS 2018 Conference Forum and Doctoral Consortium co-located with the 13th International Baltic Conference on Databases and Information Systems (Baltic DB&IS 2018), Trakai, Lithuania, July 1-4, 2018 / edited by Audronė Lupeikienė, Raimundas Matulevičius, Olegas Vasilecas. Aachen : CEUR-WS. 2018, p. 170-176. (CEUR workshop proceedings, ISSN 1613-0073 ; vol. 2158). On the Internet: < <a href="http://ceur-ws.org/Vol-2158/paper18dc6.pdf">http://ceur-ws.org/Vol-2158/paper18dc6.pdf</a> > [seen 2018-09-18]. [DB: Scopus] [Contribution: 0,667] [Scientific direction: T 007]
7	Trinkūnas, Justas; Tuinylienė, Erika; <b>Puronaitė, Roma</b> . Research on hospital information systems integration to national electronic health record system // BIOMDLORE 2018: proceedings of 12th international conference, Białystok, Poland,

June 28-30, 2018, Białystok, Poland / edited by Julius Griškevičius, Gediminas Gaidulis. New York : IEEE, 2018. eISBN 9781538623961. eISSN 2345-0630. [p. 1-6]. DOI: 10.1109/BIOMDLORE.2018.8467200. [DB: Scopus; IEEE Xplore] [Contribution: 0,167] [Scientific direction: N 009]

3	<b>P1d – Article in peer-reviewed foreign international conference proceedings</b>
1	Piotrowska, Magdalena; <b>Korvel, Grażina</b> ; Kostek, Bożena; Rojczyk, Arkadiusz; Czyzewski, Andrzej. Objectivization of phonological evaluation of speech elements by means of audio parametrization // 11th International conference on Human System Interaction 2018, July 4-6 2018, Gdansk, Poland : conference proceedings. Piscataway : IEEE, 2018. ISBN 9781538650233. p. 325-331. DOI: 10.1109/HSI.2018.8431352. [DB: INSPEC; IEEE Xplore] [Contribution: 0,200] [Scientific direction: T 007]
2	Tekutov, Jurij; <b>Gudas, Saulius</b> ; Denisov, Vitalij. The formation of requirements engineering processes based on a problem domain model // ICTIC : the 7th international virtual conference on Informatics and management sciences : April 2-7, 2018, Slovakia. Zilina : EDIS - Publishing Institution of the University of Zilina, 2018. ISBN 9788055414362. ISSN 1339-231X. eISSN 1339-9144. 2018, vol. 7, iss. 1, p. 93-97. DOI: 10.18638/ictic.2018.7.1.324. [Contribution: 0,333] [Scientific direction: N 009,T 007]
3	Želvys, Rimantas; <b>Stumbrienė, Dovilė; Jakaitienė, Audronė</b> . Re-contextualization of effectiveness and efficiency in post-socialist education // Education in modern society: XVI annual international conference, Varna, Bulgaria, 11-15 June 2018. Sofia : Bulgarian Comparative Education Society, 2018. ISBN 9786197326024. eISBN 9786197326031. p. 119-124. (BCES Conference Books, ISSN 1314-4693, eISSN 2534-8426 ; Vol. 16). On the Internet: < <a href="http://bces-conference-books.org/onewebmedia/2018.119-124.Rimantas.Zelvys.et.al.pdf">http://bces-conference-books.org/onewebmedia/2018.119-124.Rimantas.Zelvys.et.al.pdf</a> > [seen 2018-05-30]. [Contribution: 0,666] [Scientific direction: S 007]
4	<b>P1e - Paper in the reviewed proceedings of Lithuanian international conference</b>
1	<b>Dagienė, Valentina; Stupurienė, Gabrielė</b> . Short tasks - big ideas: constructive approach for learning and teaching of informatics concepts in primary education // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagienė and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 169-179. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-09-18]. [Contribution: 1,000] [Scientific direction: S 007]
2	<b>Dagienė, Valentina; Vinikienė, Lina</b> . Different cultures - different approaches to reasoning and algorithms // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagienė and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 738-742. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 1,000] [Scientific direction: S 007]
3	<b>Dolgopolovas, Vladimiras; Dagienė, Valentina; Jasutė, Eglė; Jevsikova, Tatjana</b> . Design science research for computational thinking in constructionist education: a pragmatistic perspective // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagienė and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 180-192. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 1,000] [Scientific direction: N 009,S 007]
4	<b>Juškevičienė, Anita; Dagienė, Valentina</b> . Interconnection between Computational Thinking and Digital Competence // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagienė and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 305-321. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 1,000] [Scientific direction: S 007,N 009]
5	Kurvinen, Einari; <b>Dagienė, Valentina</b> ; Laakso, Mikko-Jussi. The impact and effectiveness of technology enhanced mathematics learning // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagienė and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 351-363. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 0,333] [Scientific direction: S 007]
6	Passey, Don; Atieno, Loice Victorine; Baumann, Wilfried; <b>Dagienė, Valentina</b> . Developing constructionism, or a new learning concept, across the ages // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagienė and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 845-861. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 0,250] [Scientific direction: S 007]
7	Standl, Bernhard; Futschek, Gerald; Waite, Jane; Csizmadia, Andrew Paul; <b>Vinikienė, Lina</b> . Constructionist approaches

	to computational thinking // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagiene and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 801-844. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 0,200] [Scientific direction: N 009,S 007]
8	Weigend, Michael; Pluhár, Zsuzsa; <b>Juškevičienė, Anita</b> ; Vaníček, Jiří; Ito, Kazunari; Pesek, Igor. Constructionism in the classroom: creative learning activities on computational thinking // Constructionism 2018 : Constructionism, computational thinking and educational innovation: conference proceedings / Edited by Valentina Dagiene and Eglė Jasutė. Vilnius : Vilnius University, 2018. eISBN 9786099576015. p. 891-907. On the Internet: < <a href="http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf">http://www.constructionism2018.fsf.vu.lt/file/repository/Proceeding_2018_Constructionism.pdf</a> > [seen 2018-11-09]. [Contribution: 0,166] [Scientific direction: S 007]
3	<b>P2 – Articles in non-peer-reviewed publications publishing conference proceedings</b>
1	<b>P2a - Article in non-peer-reviewed international conference proceedings</b>
1	Piotrowska, Magdalena; <b>Korvel, Gražina</b> ; Kurowski, Adam; Kostek, Bożena; Czyżewski, Andrzej. Machine learning applied to aspirated and non-aspirated allophone classification - an approach based on audio “fingerprinting” // AES 145th Convention, New York, NY, USA, 2018 October 17–20. New York : Audio Engineering Society. 2018, p. [1-7]. On the Internet: < <a href="http://www.aes.org/tmpFiles/elib/20181108/19796.pdf">http://www.aes.org/tmpFiles/elib/20181108/19796.pdf</a> > [seen 2018-11-08]. [Contribution: 0,200] [Scientific direction: T 007]
2	<b>P2c - Article in peer-reviewed Lithuanian conference proceedings</b>
1	<b>Kurilov, Jevgenij</b> ; Kurilova, Julija. Intelektuali ateities mokykla: kaip mokiniui įvertinti siūlomas technologijas? // Matematikos ir informacinių technologijų mokymas: sėkmingų mokymo(si) patirčių paieška, siekiant mokinio pažangos : 15-osios matematikos ir informacinių technologijų mokytojų respublikinės mokslinės metodinės konferencijos straipsnių rinkinys. Vilnius : Litera, 2018. ISBN 9786098144796. p. 57-59. [Contribution: 0,500] [Scientific direction: T 007]
4	<b>S - Articles in serial and one-time publications</b>
1	<b>S1 [IF] Article DB Clarivate Analytics Web of Science with Impact Factor</b>
1	<b>Belovas, Igoris; Sakalauskas, Leonidas</b> . Limit theorems for the coefficients of the modified Borwein method for the calculation of the Riemann zeta-function values // Colloquium Mathematicum. Warsaw : Polska Akademia Nauk. ISSN 0010-1354. 2018, Vol. 151, no. 2, p. 217-227. DOI: 10.4064/cm7086-2-2017. [DB: Science Citation Index Expanded (Web of Science); Scopus; Zentralblatt MATH (zbMATH); MatSciNet] [Contribution: 0,750] [Citav. rod.: 0.540 (2018, SCIE)] [Scientific direction: N 001]
2	<b>Bilinskas, Mykolas Jurgis; Dzemyda, Gintautas</b> ; Trakymas, Mantas. Approximation of the ribs-bounded contour in a tomography scan slice // International journal of information technology & decision making. Singapore : World Scientific Publishing Company. ISSN 0219-6220. eISSN 1793-6845. 2018, Vol. 17, no 1, p. 83-102. DOI: 10.1142/S0219622017500298. [DB: Science Citation Index Expanded (Web of Science); Scopus; Applied Science & Technology Source; Business Source Premier; INSPEC; Zentralblatt MATH (zbMATH)] [Contribution: 0,667] [Citav. rod.: 2.862 (2018, SCIE)] [Scientific direction: N 009,T 007]
3	Calvin, James; <b>Gimbutienė, Gražina</b> ; Phillips, William O.; <b>Žilinskas, Antanas</b> . On convergence rate of a rectangular partition based global optimization algorithm // Journal of global optimization. Dordrecht : Springer. ISSN 0925-5001. eISSN 1573-2916. 2018, vol. 71, iss. 1, spec. iss. SI, p. 165-191. DOI: 10.1007/s10898-018-0636-z. [DB: Zentralblatt MATH (zbMATH); MathSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 1.631 (2018, SCIE)] [Scientific direction: N 009]
4	<b>Dagiene, Valentina; Gudonienė, Daina</b> ; Bartkute, Reda. The integrated environment for learning objects design and storing in semantic web // International journal of computers, communications and control. Bihor : Agora University Publishing House. ISSN 1841-9836. eISSN 1841-9844. 2018, vol. 13, iss. 1, p. 39-49. DOI: 10.15837/ijccc.2018.1.3074. [DB: DOAJ; Science Citation Index Expanded (Web of Science); Scopus; Computers & Applied Sciences Complete] [Contribution: 0,667] [Citav. rod.: 1.585 (2018, SCIE)] [Scientific direction: T 007]
5	<b>Dolgopolovas, Vladimiras; Jevsikova, Tatjana; Dagiene, Valentina</b> . From Android games to coding in C-An approach to motivate novice engineering students to learn programming: a case study // Computer applications in engineering education. Hoboken : Wiley. ISSN 1061-3773. eISSN 1099-0542. 2018, Vol. 26, no 1, p. 75-90. DOI: 10.1002/cae.21862. [DB: Science Citation Index Expanded (Web of Science); Scopus; Applied Science & Technology Source] [Contribution: 0,833] [Citav. rod.: 1.435 (2018, SCIE)] [Scientific direction: S 007,T 007]
6	<b>Drežienė, Lina; Dučinskas, Kęstutis</b> ; Šaltytė-Vaisiauskė, Laura. Statistical classification of multivariate conditionally autoregressive Gaussian random field observations // Spatial statistics. Oxford : Elsevier. ISSN 2211-6753. 2018, vol. 28, p. 216-225. DOI: 10.1016/j.spasta.2018.03.006. [DB: ScienceDirect; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,833] [Citav. rod.: 1.435 (2018, SCIE)] [Scientific direction: S 007,T 007]

	Science)] [Contribution: 0,333] [Citav. rod.: 1.219 (2018, SCIE)] [Scientific direction: N 001]
7	Drevinskas, Tomas; Maruška, Audrius; Gladkauskas, Eimantas; <b>Telksnys, Laimutis</b> ; Girdauskas, Valdas; Gorbatšova, Jelena; Kaljurand, M; Ragažinskienė, Ona. Design and applications of miniaturized, portable LED based colorimeter = Miniatiūrizuoto nešiojamojo kolorimetro su šviestuku kūrimas ir pritaikymas // Chemija. Vilnius : Lietuvos mokslų akademija. ISSN 0235-7216. 2018, vol. 29, no. 4, p. 209-218. DOI: 10.6001/chemija.v29i4.3836. [DB: Central & Eastern European Academic Source (CEEAS); Academic Search Complete; Scopus; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Contribution: 0,062] [Citav. rod.: 0.424 (2018, SCIE)] [Scientific direction: N 009,T 005]
8	Drevinskas, Tomas; <b>Telksnys, Adolfas Laimutis</b> ; Maruška, Audrius; Gorbatšova, Jelena; Kaljurand, Mihkel. Compensation of the baseline temperature fluctuations for autonomous CE–C4D instrument working in harsh environments // Electrophoresis. Weinheim, Germany : Wiley-VCH Verlag GmbH & Co. ISSN 0173-0835. eISSN 1522-2683. 2018, vol. 39, iss. 22, p. 2877-2883. DOI: 10.1002/elps.201800132. [DB: Scopus; INSPEC; MEDLINE; Computer & Information Systems Abstracts; Wiley Online Library; BIOSIS Previews; Science Citation Index Expanded (Web of Science)] [Contribution: 0,100] [Citav. rod.: 2.754 (2018, SCIE)] [Scientific direction: N 009,T 005]
9	Drevinskas, Tomas; <b>Telksnys, Laimutis</b> ; Maruška, Audrius; Gorbatšova, Jelena; Kaljurand, Mihkel. Capillary electrophoresis sensitivity enhancement based on adaptive moving average method // Analytical chemistry. Washington : American Chemical Society. ISSN 0003-2700. 2018, Vol. 90, iss. 11, p. 6773-6780. DOI: 10.1021/acs.analchem.8b00664. [DB: Scopus; PubMed; Science Citation Index Expanded (Web of Science)] [Contribution: 0,100] [Citav. rod.: 6.350 (2018, SCIE)] [Scientific direction: N 009,T 005]
10	<b>Dučinskas, Kęstutis; Dreičienė, Lina</b> . Risks of classification of the Gaussian Markov random field observations // Journal of classification. New York : Springer. ISSN 0176-4268. eISSN 1432-1343. 2018, vol. 35, iss. 3, p. 422-436. DOI: 10.1007/s00357-018-9269-7. [DB: Social Sciences Citation Index (Web of Science); Library, Information Science & Technology Abstracts; Science Citation Index Expanded (Web of Science); Scopus; SpringerLink] [Contribution: 0,500] [Citav. rod.: 1.636 (2018, SCIE); 1.636 (2018, SSCI)] [Scientific direction: N 001]
11	Gėgžna, Vilmantas; <b>Kurasova, Olga; Dzemyda, Gintautas</b> ; Kurtinaitienė, Rūta; Čiplies, Ignas; Vaitkus, Juozas Vidmantis; Vaitkuvienė, Aurelija. The ROC-based analysis of spectroscopic signals from medical specimens // Nonlinear analysis : modelling and control. Vilnius : Vilnius University Institute of Mathematics and Informatics. ISSN 1392-5113. 2018, vol. 23, iss. 3, p. 285-302. DOI: 10.15388/NA.2018.3.1. [DB: Science Citation Index Expanded (Web of Science); Current Contents / Physical, Chemical & Earth Sciences; Scopus; INSPEC; Chemical abstracts; Zentralblatt MATH (zbMATH)] [Contribution: 0,284] [Citav. rod.: 2.339 (2018, SCIE)] [Scientific direction: T 007,N 002]
12	<b>Gimbutas, Albertas; Žilinskas, Antanas</b> . An algorithm of simplicial Lipschitz optimization with the bi-criteria selection of simplices for the bi-section // Journal of global optimization. New York : Springer New York LLC. ISSN 0925-5001. eISSN 1573-2916. 2018, vol. 71, iss. 1, spec. iss. SI, p. 115-127. DOI: 10.1007/s10898-017-0550-9. [DB: Current Abstracts; Mathematical Reviews; Current Contents; Zentralblatt MATH (zbMATH); Compendex; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 1,000] [Citav. rod.: 1.631 (2018, SCIE)] [Scientific direction: N 009]
13	<b>Jukna, Stasys</b> . Incremental versus non-incremental dynamic programming // Operations research letters. Amsterdam : Elsevier Science BV. ISSN 0167-6377. eISSN 1872-7468. 2018, vol. 46, iss. 3, p. 278-281. DOI: 10.1016/j.orl.2018.02.003. [DB: Science Citation Index; Zentralblatt MATH (zbMATH); Current Contents; INSPEC; Mathematical Reviews; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.761 (2018, SCIE)] [Scientific direction: N 001]
14	Jurevičienė, Elena; Onder, Graziano; Visockienė, Žydrūnė; <b>Puronaitė, Roma</b> ; Petrikonytė, Dovilė; Gargalskaitė, Urtė; Kasiulevičius, Vytautas; Navickas, Rokas. Does multimorbidity still remain a matter of the elderly: Lithuanian national data analysis // Health policy : Elsevier Ireland Ltd. ISSN 0168-8510. eISSN 1872-6054. 2018, Vol. 122, no 6, p. 681-686. DOI: 10.1016/j.healthpol.2018.03.003. [DB: Science Citation Index Expanded (Web of Science); Social Sciences Citation Index (Web of Science); Scopus; Embase; MEDLINE] [Contribution: 0,043] [Citav. rod.: 2.075 (2018, SCIE); 2.075 (2018, SSCI)] [Scientific direction: N 009,M 001]
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16	Kaklauskas, Artūras; <b>Dzemyda, Gintautas</b> ; Tupėnaitė, Laura; Voitau, Ihar; <b>Kurasova, Olga</b> ; Naimavičienė, Jurga; Rassokha, Yauheni; Kanapeckienė, Loreta. Artificial neural network-based decision support system for development of an energy-efficient built environment // Energies. Basel : MDPI. eISSN 1996-1073. 2018, vol. 11, iss. 8, p. 1-20. DOI: 10.3390/en11081994. [DB: Chemical abstracts; RePec; DOAJ; INSPEC; CAB Abstracts; EI Compendex Plus; Scopus; Current Contents / Engineering, Computing & Technology; Science Citation Index Expanded (Web of Science)]

	0,250] [Citav. rod.: 2.707 (2018, SCIE)] [Scientific direction: T 007,T 006,T 002]
17	<b>Korvel, Gražina; Kostek, Bozena; Kurasova, Olga.</b> Comparative analysis of various transformation techniques for voiceless consonants modeling // International journal of computers, communications and control. Bihor : Agora University Editing House. ISSN 1841-9836. eISSN 1841-9844. 2018, vol. 13, no 5, p. 853-864. DOI: 10.15837/ijccc.2018.5.3310. [DB: Science Citation Index Expanded (Web of Science); Scopus; Computers & Applied Sciences Complete] [Contribution: 0,667] [Citav. rod.: 1.585 (2018, SCIE)] [Scientific direction: T 007]
18	<b>Korvel, Gražina; Treigys, Povilas; Tamulevičius, Gintautas; Bernatavičienė, Jolita; Kostek, Bozena.</b> Analysis of 2D feature spaces for deep learning-based speech recognition // Journal of the audio engineering society. New York : Audio engineering society. ISSN 1549-4950. 2018, vol. 66, no 12, p. 1072-1081. DOI: 10.17743/jaes.2018.0066. [DB: Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,800] [Citav. rod.: 0.927 (2018, SCIE)] [Scientific direction: T 007]
19	<b>Kubilius, Kęstutis; Skorniakov, Viktor.</b> A short note on a class of statistics for estimation of the Hurst index of fractional Brownian motion // Statistics & probability letters. Amsterdam : Elsevier BV. ISSN 0167-7152. 2017, Vol. 121, p. 78-82. DOI: 10.1016/j.spl.2016.10.005. [DB: Science Citation Index Expanded (Web of Science); SciVerse Scopus (nenaudotinas); Zentralblatt MATH (zbMATH); TOC Premier; Current Abstracts] [Contribution: 0,500] [Citav. rod.: 0.533 (2017, SCIE)] [Scientific direction: N 001]
20	<b>Laukaitis, Algirdas; Plikynas, Darius; Ostasius, Egidijus.</b> Sentence level alignment of digitized books parallel corpora // Informatica. Vilnius : Vilniaus universitetas Matematikos ir informatikos institutas. ISSN 0868-4952. eISSN 1822-8844. 2018, vol. 29, no 4, p. 693-710. DOI: 10.15388/Informatica.2018.188. [DB: MatSciNet; Zentralblatt MATH (zbMATH); Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,167] [Citav. rod.: 1.928 (2018, SCIE)] [Scientific direction: T 007]
21	<b>Laurinčiukaitė, Sigita; Telksnys, Adolfas Laimutis; Kasparaitis, Pijus; Kliukienė, Regina; Paukštytė, Vilma.</b> Lithuanian speech corpus Liepa for development of human-computer interfaces working in voice recognition and synthesis mode // Informatica. Vilnius : Vilniaus universiteto Matematikos ir informatikos institutas. ISSN 0868-4952. eISSN 1822-8844. 2018, vol. 29, no 3, p. 487-498. DOI: 10.15388/Informatica.2018.177. [DB: Science Citation Index Expanded (Web of Science); Scopus; Zentralblatt MATH (zbMATH); MatSciNet] [Contribution: 0,400] [Citav. rod.: 1.928 (2018, SCIE)] [Scientific direction: H 004,N 009]
22	<b>Lycholip, Edita; Aamodt, Ina Thon; Lie, Irene; Šimbelytė, Toma; Purnaitė, Roma; Hillege, Hans; de Vries, Arjen; Kraai, Imke; Stromberg, Anna; Jaarsma, Tiny; Čelutkienė, Jelena.</b> The dynamics of self-care in the course of heart failure management: data from the IN TOUCH study // Patient preference and adherence. Auckland : Dove Medical Press. ISSN 1177-889X. 2018, Vol. 12, no 2, p. 1113-1122. On the Internet: < <a href="https://www.dovepress.com/the-dynamics-of-self-care-in-the-course-of-heart-failure-management-da-peer-reviewed-article-PPA">https://www.dovepress.com/the-dynamics-of-self-care-in-the-course-of-heart-failure-management-da-peer-reviewed-article-PPA</a> > [seen 2018-06-26]. [DB: Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [Contribution: 0,045] [Citav. rod.: 2.097 (2018, SCIE)] [Scientific direction: M 001]
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24	<b>Morkūnas, Mindaugas; Treigys, Povilas; Bernatavičienė, Jolita; Laurinavičius, Arvydas; Korvel, Gražina.</b> Machine learning based classification of colorectal cancer tumour tissue in whole-slide images // Informatica. Vilnius : Vilniaus universiteto Matematikos ir informatikos institutas. ISSN 0868-4952. eISSN 1822-8844. 2018, vol. 29, no. 1, p. 75-90. DOI: 10.15388/Informatica.2018.158. [DB: Zentralblatt MATH (zbMATH); MathSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,700] [Citav. rod.: 1.928 (2018, SCIE)] [Scientific direction: M 001,T 007]
25	<b>Norvidas, Saulius.</b> A note on characteristic functions and their extensions // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. eISSN 1573-8825. 2018, vol. 58, no 1, p. 69-74. DOI: 10.1007/s10986-018-9379-2. [DB: Science Citation Index Expanded (Web of Science); Scopus; CIS (Current Index to Statistics); MatSciNet; Zentralblatt MATH (zbMATH)] [Contribution: 1,000] [Citav. rod.: 0.566 (2018, SCIE)] [Scientific direction: N 001]
26	<b>Norvidas, Saulius.</b> The imaginary part of the characteristic function // Acta Mathematica Hungarica. Dordrecht : Springer. ISSN 0236-5294. eISSN 1588-2632. 2018, vol. 154, no 2, p. 378-388. DOI: 10.1007/s10474-017-0779-2. [DB: Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete; MatSciNet; Zentralblatt MATH (zbMATH)] [Contribution: 1,000] [Citav. rod.: 0.538 (2018, SCIE)] [Scientific direction: N 001]

27	Oh, Gabriel; Ebrahimi, Sasha; Carlucci, Matthew; Zhang, Aiping; Nair, Akhil; Groot, Daniel E.; Labrie, Viviane; Jia, Peixin; Oh, Edward S.; Jeremian, Richie H.; Susic, Miki; Shrestha, Tenjin C.; Ralph, Martin R.; <b>Gordevičius, Juozas; Koncevičius, Karolis</b> ; Petronis, Artūras. Cytosine modifications exhibit circadian oscillations that are involved in epigenetic diversity and aging // Nature communications. London : Nature Publishing Group. ISSN 2041-1723. 2018, Vol. 9, art. no. 644, p. 1-11. DOI: 10.1038/s41467-018-03073-7. [DB: Embase; Biological Abstracts; MEDLINE; INSPEC; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,062] [Citav. rod.: 11.878 (2018, SCIE)] [Scientific direction: N 004,N 010,T 007]
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29	Pepelyshev, Andrey; Zhigljavsky, Anatoly; <b>Žilinskas, Antanas</b> . Performance of global random search algorithms for large dimensions // Journal of global optimization. Dordrecht : Springer. ISSN 0925-5001. eISSN 1573-2916. 2018, vol. 71, iss. 1, spec. iss. SI, p. 57-71. DOI: 10.1007/s10898-017-0535-8. [DB: Zentralblatt MATH (zbMATH); MathSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,333] [Citav. rod.: 1.631 (2018, SCIE)] [Scientific direction: N 009]
30	<b>Sapagovas, Mifodijus</b> ; Meškauskas, Tadas; Ivanauskas, Feliksas. Influence of complex coefficients on the stability of difference scheme for parabolic equations with non-local conditions // Applied mathematics and computation. New York : Elsevier Science. ISSN 0096-3003. eISSN 1873-5649. 2018, Vol. 332, p. 228-240. DOI: 10.1016/j.amc.2018.03.072. [DB: Science Citation Index Expanded (Web of Science); Scopus; Academic Search Premier; Zentralblatt MATH (zbMATH); MatSciNet] [Contribution: 0,334] [Citav. rod.: 3.092 (2018, SCIE)] [Scientific direction: N 009]
31	<b>Stabingis, Giedrius; Bernatavičienė, Jolita; Dzemyda, Gintautas</b> ; Paunksnis, Alvydas; Stabingienė, Lijana; <b>Treigys, Povilas</b> ; Vaičiaitienė, Ramutė. Adaptive eye fundus vessel classification for automatic artery and vein diameter ratio evaluation // Informatica. Vilnius : Vilniaus universitetas Matematikos ir informatikos institutas. ISSN 0868-4952. eISSN 1822-8844. 2018, vol. 29, no 4, p. 757-771. DOI: 10.15388/Informatica.2018.191. [DB: Zentralblatt MATH (zbMATH); MatSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 1.928 (2018, SCIE)] [Scientific direction: N 009,M 001,T 007]
32	Stefanovič, Pavel; <b>Kurasova, Olga</b> . Outlier detection in self-organizing maps and their quality estimation // Neural network world. Prague : Czech Academy of Sciences, Institute of Computer Science. ISSN 1210-0552. 2018, Vol. 28, iss. 2, p. 105-117. On the Internet: < <a href="http://www.nnw.cz/doi/2018/NNW.2018.28.006.pdf">http://www.nnw.cz/doi/2018/NNW.2018.28.006.pdf</a> > [seen 2018-05-11]. [DB: Scopus; Current Contents; CompuMath Citation Index; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.957 (2018, SCIE)] [Scientific direction: T 007]
33	<b>Stripinis, Linas; Paulavičius, Remigijus; Žilinskas, Julius</b> . Improved scheme for selection of potentially optimal hyper-rectangles in DIRECT // Optimization letters. Heidelberg : Springer. ISSN 1862-4472. eISSN 1862-4480. 2018, vol. 12, no 7, p. 1699-1712. DOI: 10.1007/s11590-017-1228-4. [DB: Science Citation Index Expanded (Web of Science); Scopus; Compendex; MatSciNet; Zentralblatt MATH (zbMATH)] [Contribution: 1,000] [Citav. rod.: 1.399 (2018, SCIE)] [Scientific direction: T 007,N 009]
34	<b>Sunklodas, Jonas Kazys</b> . On the rate of convergence in the central limit theorem for random sums of strongly mixing random variables // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. eISSN 1573-8825. 2018, vol. 58, no. 2, p. 219-234. DOI: 10.1007/s10986-018-9391-6. [DB: MathSciNet; Zentralblatt MATH (zbMATH); CIS (Current Index to Statistics); Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 1,000] [Citav. rod.: 0.566 (2018, SCIE)] [Scientific direction: N 001]
35	<b>Užupytė, Rūta</b> ; Babarskis, Tomas; Krilavičius, Tomas. The Generation of electricity load profiles using K-means clustering algorithm // Journal of universal computer science. Graz : Graz University of Technology. ISSN 0948-695X. eISSN 0948-6968. 2018, Vol. 24, iss.9, p. 1306-1329. On the Internet: < <a href="http://www.jucs.org/jucs_24_9/the_generation_of_electricity/jucs_24_09_1306_1329_uzupyte.pdf">http://www.jucs.org/jucs_24_9/the_generation_of_electricity/jucs_24_09_1306_1329_uzupyte.pdf</a> >. [DB: Scopus; MathSciNet; Science Citation Index Expanded (Web of Science)] [Contribution: 0,167] [Citav. rod.: 0.910 (2018, SCIE)] [Scientific direction: N 009]
36	<b>Zubova, Jelena; Kurasova, Olga</b> ; Liutvinavičius, Marius. Dimensionality reduction methods: the comparison of speed and accuracy // Information technology and control = Informacinės technologijos ir valdymas. Kaunas : Technologija. ISSN 1392-124X. eISSN 2335-884X. 2018, Vol. 47, iss. 1, p. 151-160. DOI: 10.5755/j01.itc.47.1.18813. [DB: INSPEC; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,667] [Citav. rod.: 0.707 (2018, SCIE)] [Scientific direction: N 009]



2	<b>S1 Article in DB Clarivate Analytics Web of Science without Impact Factor</b>
1	<b>Bloznelis, Mindaugas; Kurauskas, Valentas.</b> Clustering coefficient of random intersection graphs with infinite degree variance // Internet mathematics : Ryerson University. ISSN 1542-7951. eISSN 1944-9488. 2017, Vol. 1, no. 1, p. [1-23]. DOI: 10.24166/im.02.2017. [DB: Science Citation Index Expanded (Web of Science); Scopus; Zentralblatt MATH (zbMATH); MatSciNet] [Contribution: 0,500] [Scientific direction: N 009,N 001]
2	<b>Brilingaitė, Agnė; Bukauskas, Linas; Juškevičienė, Anita.</b> Competency assessment in problem-based learning projects of information technologies students // Informatics in education. Vilnius : Vilniaus universiteto Matematikos ir informatikos institutas. ISSN 1648-5831. eISSN 2335-8971. 2018, Vol. 17, no. 1, p. 21-44. DOI: 10.15388/infedu.2018.02. [DB: INSPEC; CEEOL – Central and Eastern European Online Library; Scopus; Emerging Sources Citation Index (Web of Science)] [Contribution: 0,333] [Scientific direction: N 009]
3	<b>Greičius, Edvinas; Minkevičius, Saulius.</b> Diffusion limits for the queue length of jobs in multi-server open queueing networks // Operations research and decisions. Wrocław : Wrocław University of Science and Technology. ISSN 2081-8858. eISSN 2391-6060. 2017, vol. 27, iss. 4, p. 71-84. DOI: 10.5277/ord170404. [DB: Zentralblatt MATH (zbMATH); MathSciNet; INSPEC; DOAJ; Emerging Sources Citation Index (Web of Science)] [Contribution: 1,000] [Scientific direction: N 009]
4	<b>Jakaitienė, Audronė; Žilinskas, Antanas; Stumbrienė, Dovilė.</b> Analysis of education systems performance in European countries by means of PCA-DEA // Informatics in education. Vilnius : Vilniaus universiteto Matematikos ir informatikos institutas. ISSN 1648-5831. eISSN 2335-8971. 2018, vol. 17, no 2, p. 245-263. DOI: 10.15388/infedu.2018.13. [DB: Emerging Sources Citation Index (Web of Science); Scopus; CEEOL – Central and Eastern European Online Library] [Contribution: 1,000] [Scientific direction: N 009]
5	<b>Juškevičienė, Anita; Dagienė, Valentina.</b> Computational thinking relationship with digital competence // Informatics in education. Vilnius : Vilnius University Institute of Data Science and Digital Technologies. ISSN 1648-5831. eISSN 2335-8971. 2018, vol. 17, no. 2, p. 265-284. DOI: 10.15388/infedu.2018.14. [DB: Scopus; CEEOL – Central and Eastern European Online Library; INSPEC; Emerging Sources Citation Index (Web of Science)] [Contribution: 1,000] [Scientific direction: T 007,S 007]
6	<b>Tichonov, Jevgenij; Kurasova, Olga; Filatovas, Ernestas.</b> Image classification for JPEG compression // Advances in science and technology-research journal. Lublin : Lublin University of Technology. ISSN 2299-8624. 2018, vol. 12, no. 2, p. 29-34. DOI: 10.12913/22998624/87041. [DB: BazTech; J-Gate; IndexCopernicus; DOAJ; Emerging Sources Citation Index (Web of Science)] [Contribution: 0,333] [Scientific direction: T 007,N 009]
3	<b>S2 - Article in Clarivate Analytics Web of Science Master Journal List Publications</b>
1	<b>Rybakovas, Andrius; Beiša, Virgilijus; Strupas, Kęstutis; Kaukėnas, Jonas; Tamulevičius, Gintautas.</b> Inverse filtering of speech signal for detection of vocal fold paralysis after thyroidectomy // Informatica. Vilnius : Vilniaus universiteto Matematikos ir informatikos institutas. ISSN 0868-4952. eISSN 1822-8844. 2018, Vol. 29, no 1, p. 91-105. DOI: 10.15388/Informatica.2018.159. [DB: INSPEC; MathSciNet; Zentralblatt MATH (zbMATH); Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,400] [Citav. rod.: 1.928 (2018, SCIE)] [Scientific direction: M 001]
4	<b>S4 - Article in other databases</b>
1	<b>Giedra, Haroldas; Alonderis, Romas.</b> Applications of logic of correlated knowledge to quantum mechanics = Koreliatyvių žinių logikos taikymas kvantinėje mechanikoje // Lietuvos matematikos rinkinys. Ser. A. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. eISSN 2335-898X. 2018, t. 59, p. 1-6. DOI: 10.15388/LMR.A.2018.01. [DB: Zentralblatt MATH (zbMATH)] [Contribution: 1,000] [Scientific direction: N 009,N 001]
2	<b>Mačys, Juozas Juvencijus.</b> Matematikos olimpiadų pamokos = On Lithuanian mathematical olympiads // Lietuvos matematikos rinkinys. Lietuvos matematikų draugijos darbai, Ser. B. Vilnius : Vilniaus universiteto leidykla. ISSN 0132-2818. 2018, t. 59, p. 54-60. DOI: 10.15388/LMR.B.2018.8. [DB: Zentralblatt MATH (zbMATH)] [Contribution: 1,000] [Scientific direction: N 001]
3	<b>Mačys, Juozas Juvencijus; Sušinskas, Jurgis.</b> Kubinių lygčių klasifikacija = Classification of cubic equations // Lietuvos matematikos rinkinys. Ser. B. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. eISSN 2335-898X. 2018, t. 59, p. 46-53. DOI: 10.15388/LMR.B.2018.7. [DB: Zentralblatt MATH (zbMATH)] [Contribution: 0,500] [Scientific direction: N 001]
4	<b>Meleško, Jaroslav; Kurilov, Jevgenij.</b> Adaptive tutoring system with application of intelligent agents // International Journal of Smart Education and Urban Society (IJSEUS). Hershey : IGI Global. ISSN 2574-8254. eISSN 2574-8270. 2018, vol. 9, iss. 2, p. 1-11. DOI: 10.4018/IJSEUS.2018040101. [DB: ERIH Plus; DBLP Computer Science Bibliography; Cabell's; ACM Digital Library; INSPEC] [Contribution: 0,250] [Scientific direction: T 007,S 007]



5	<b>Želvys, Rimantas; Dukynaitė, Rita; Vaitekaitis, Jogaila.</b> Švietimo sistemų efektyvumas ir našumas kintančių švietimo paradigmu kontekste = Effectiveness and efficiency of educational systems in a context of shifting educational paradigms // <i>Pedagogika : mokslo darbai</i> . Vilnius : Lietuvos edukologijos universiteto leidykla. ISSN 1392-0340. eISSN 2029-0551. 2018, T. 130, Nr. 2, p. 32-45. DOI: 10.15823/p.2018.20. [DB: MLA; IndexCopernicus; Educational Research Complete; CEEOL – Central and Eastern European Online Library; Scopus] [Contribution: 0,667] [Scientific direction: S 007]
5	<b>S5 - Article in other peer-reviewed publications</b>
1	<b>Alonderis, Romas; Sakalauskaitė, Jūratė.</b> A labelled sequent calculus for half-order modal logic // <i>Journal of applied logics - IfCoLog journal of logics and their applications</i> . Milton : Lightning Source, 2018. ISBN 9781848902749. ISSN 2055-3706. eISSN 2055-3714. 2018, Vol. 5, no 1, p. 121-163. On the Internet: < <a href="http://www.collegepublications.co.uk/journals/ifcolog/?00021">http://www.collegepublications.co.uk/journals/ifcolog/?00021</a> > [seen 2018-03-27]. [Contribution: 1,000] [Scientific direction: N 009]
2	<b>Grigas, Gintautas; Juškevičienė, Anita.</b> Letter frequency analysis of languages using Latin alphabet // <i>International linguistics research</i> . New York : Ideas Spread Inc. ISSN 2576-2974. eISSN 2576-2982. 2018, vol. 1, no. 1, p. 18-31. DOI: 10.30560/ilr.v1n1p18. [Contribution: 1,000] [Scientific direction: T 007]
6	<b>S8 - Article (Review, Informative, Encyclopedic)</b>
1	<b>Lupeikienė, Audronė; Matulevičius, Raimundas; Vasilecas, Olegas.</b> Preface : editorial // <i>CEUR Workshop Proceedings. Joint Proceedings of Baltic DB&amp;IS 2018 Conference Forum and Doctoral Consortium co-located with the 13th International Baltic Conference on Databases and Information Systems (Baltic DB&amp;IS 2018)</i> , Trakai, Lithuania, July 1-4, 2018. Aachen : CEUR-WS.org. eISSN 1613-0073. 2018, vol. 2158, p. 1. (CEUR workshop proceedings, eISSN 1613-0073 ; vol. 2158). On the Internet: < <a href="http://ceur-ws.org/Vol-2158/preface.pdf">http://ceur-ws.org/Vol-2158/preface.pdf</a> > [seen 2018-10-18]. [Contribution: 0,334] [Scientific direction: T 007]
2	<b>Lupeikienė, Audronė; Vasilecas, Olegas; Dzemyda, Gintautas.</b> Preface : editorial // <i>Communications in computer and information science. 13th International Baltic Conference on Databases and Information Systems, DB and IS 2018</i> ; Trakai; Lithuania; 1-4 July 2018. Cham : Springer Verlag, 2018. ISBN 9783319975702. ISSN 1865-0929. eISSN 1865-0937. 2018, vol. 838, p. 5-6. (Communications in computer and information science, ISSN 1865-0929, eISSN 1865-0937 ; vol. 838). On the Internet: < <a href="https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&amp;scp=85052908816&amp;origin=inward">https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&amp;scp=85052908816&amp;origin=inward</a> >. [Contribution: 0,667] [Scientific direction: T 007]
5	<b>T1 - Abstracts of conference papers in peer-reviewed publications</b>
1	<b>T1c - Abstracts in International Databases</b>
1	<b>Rybakovas, Andrius; Beiša, Virgilijus; Tamulevičius, Gintautas; Strupas, Kęstutis.</b> Could we use an intraoperative vocal cord ultrasonography in identifying movements of vocal cords and reducing the risk of bilateral palsy? Data of a prospective trial // <i>Acta medica Lituanica</i> . Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 1392-0138. eISSN 2029-4174. 2018, vol. 25, suppl. 1, p. 74-75. On the Internet: < <a href="https://www.lmaleidykla.lt/ojs/public/journals/1/AML2018priedas.pdf">https://www.lmaleidykla.lt/ojs/public/journals/1/AML2018priedas.pdf</a> > [seen 2018-10-02]. [DB: PubMed; Academic Search Complete; Index Academicus; IndexCopernicus] [Contribution: 0,250] [Scientific direction: N 009,M 001]
2	<b>Solovjova, Svetlana; Purnaitė, Roma; Stuopelytė, Milita; Rylškytė, Ligita.</b> Coherence between arterial stiffness and left ventricular diastolic function in patients with metabolic syndrome: longitudinal study // <i>Acta medica Lituanica</i> . Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 1392-0138. eISSN 2029-4174. 2018, Vol. 25, suppl, p. 76-77. On the Internet: < <a href="http://www.lmaleidykla.lt/ojs/public/journals/1/AML2018priedas.pdf">http://www.lmaleidykla.lt/ojs/public/journals/1/AML2018priedas.pdf</a> > [seen 2018-07-02]. [DB: Academic Search Complete; Index Academicus; Index Copernicus (IC)] [Contribution: 0,125] [Scientific direction: M 001]
6	<b>T2 - Conference abstracts in non-refereed publications</b>
1	<b>T2 - Konferencijų tezės nerecenzuojamuose leidiniuose</b>
1	<b>Arbataitis, Edgaras; Dzemydienė, Dalė.</b> Application of specific business rules in ERP system for effective manufacturing process of woven fabrics // <i>DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems"</i> , Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 7. On the Internet: < <a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a> > [seen 2018-12-12]. [Contribution: 1,000] [Scientific direction: T 007]
2	<b>Dučinskas, Kęstutis; Dreičienė, Lina.</b> Performance evaluations for supervised classifiers of Gaussian random field observations // <i>DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems"</i> : Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilnius University Press, 2018. ISBN 9786090700433. p. 23. [Contribution: 0,250] [Scientific direction: N 001]
3	<b>Dzemydienė, Dalė; Radzevičius, Vytautas.</b> An approach for networking of wireless sensors and embedded systems applied for monitoring of environment data // <i>DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems"</i> , Druskininkai, Lithuania, November 29 – December 1, 2018 : [abstract book]. Vilnius : Vilniaus

	<p>universitetas, 2018. ISBN 9786090700433. p. 24. On the Internet: &lt;<a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a>&gt; [seen 2018-12-18]. [Contribution: 1,000] [Scientific direction: N 009]</p>
4	<p><b>Gudas, Saulius; Valatavičius, Andrius.</b> Reviewing MDD from the causal modeling perspective // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems" : Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book] : Vilnius University Press, 2018. ISBN 9786090700433. p. 28. DOI: 10.15388/DAMSS.2018.1. [Contribution: 1,000] [Scientific direction: T 007,N 009]</p>
5	<p>Jakubėlienė, Kristina; Štikonienė, Olga; Čiupaila, Regimantas; <b>Sapagovas, Mifodijus.</b> The M-matrices and convergence of finite difference method for elliptic equations with nonlocal boundary condition // Mathematical Modelling and Analysis [MMA2018] : 23rd international conference, May 29-June 1, 2018, Sigulda, Latvia : abstracts. Riga : University of Latvia, 2018. ISBN 9789934195174. p. 28. On the Internet: &lt;<a href="https://www.lu.lv/mma2018/">https://www.lu.lv/mma2018/</a>&gt;. [Contribution: 0,250] [Scientific direction: N 001]</p>
6	<p>Kąkol, Krzysztof; <b>Korvel, Gražina;</b> Kostek, Bożena. Analysis of Lombard speech using parameterization and the objective quality indicators in noise conditions // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 35-36. On the Internet: &lt;<a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a>&gt; [seen 2018-12-10]. [Contribution: 0,334] [Scientific direction: T 007]</p>
7	<p><b>Karaliūtė, Marta; Dučinskas, Kęstutis;</b> Šaltytė-Vaisiauskė, Laura. Expected error regret in linear discrimination of balanced spatial Gaussian time series // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems" : Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilnius University Press, 2018. ISBN 9786090700433. p. 42. [Contribution: 0,500] [Scientific direction: N 001]</p>
8	<p><b>Korvel, Gražina; Tamulevičius, Gintautas; Treigys, Povilas; Bernatavičienė, Jolita;</b> Kostek, Bożena. Investigating feature spaces for isolated word recognition // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 47. On the Internet: &lt;<a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a>&gt; [seen 2018-12-10]. [Contribution: 0,800] [Scientific direction: T 007]</p>
9	<p><b>Kriauzienė, Rima;</b> Bugajev, Andrej; Čiegis, Raimondas. A three-level parallelisation algorithm for optimisation problems // Mathematical Modelling and Analysis [MMA2018] : 23rd international conference, May 29-June 1, 2018, Sigulda, Latvia : abstracts. Riga : University of Latvia, 2018. ISBN 9789934195174. p. 41. [Contribution: 0,167] [Scientific direction: N 001,N 009]</p>
10	<p><b>Kriauzienė, Rima;</b> Bugajev, Andrej; Čiegis, Raimondas. Numerical analysis and optimization of parallel algorithms for problems with big computational costs // 3rd NESUS Winter School and PhD Symposium 2018, 22nd-25th January 2018, Zagreb, Croatia. Zagreb : Ruđer Bošković Institute. 2018, vol. 1, no. 1, p. 10. On the Internet: &lt;<a href="http://nesusws.irb.hr/images/BookofAbstracts.pdf">http://nesusws.irb.hr/images/BookofAbstracts.pdf</a>&gt; [seen 2018-09-14]. [Contribution: 0,167] [Scientific direction: N 009]</p>
11	<p><b>Kriauzienė, Rima;</b> Bugajev, Andrej; Čiegis, Raimondas. Three level parallelisation scheme for optimisation problems involving simultaneous calculations of multiple differential equations // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilnius University Press, 2018. ISBN 9786090700433. p. 48. DOI: 10.15388/DAMSS.2018.1. [Contribution: 0,167] [Scientific direction: N 009,N 001]</p>
12	<p><b>Miliauskaitė, Jolanta; Paliulionienė, Laima.</b> Fuzzy balancing in the planning of the quality of enterprise business services // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 59. DOI: 10.15388/DAMSS.2018.1. [Contribution: 1,000] [Scientific direction: T 007]</p>
13	<p><b>Morkūnas, Mindaugas; Treigys, Povilas;</b> Laurinavičius, Arvydas. Deep learning-based method for quantitative collagen framework analysis in routine pathology images // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 62. On the Internet: &lt;<a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a>&gt; [seen 2018-12-10]. [Contribution: 0,500] [Scientific direction: M 001,T 007]</p>
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15	<b>Raižienė, Saulė; Stumbrienė, Dovilė; Ringienė, Laura; Dukynaitė, Rita; Jakaitienė, Audronė.</b> The effect of student-oriented teaching practices in explaining PISA science performance across EU countries // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 69. On the Internet: < <a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a> >. [Contribution: 1,000] [Scientific direction: S 006,S 007]
16	<b>Raižienė, Saulė; Stumbrienė, Dovilė; Ringienė, Laura; Jakaitienė, Audronė; Dukynaitė, Rita.</b> Student science performance and teaching practices across EU countries: evidence from PISA 2015 // 9th ICEEPSY 2018 : International conference on education & educational psychology, 02-05 October 2018, Athens/Greece : abstract book. Athens : Future Academy®, eISSN 1986-3020. 2018, p. 43. DOI: 10.15405/iceepsy2018(1986-3020). [Contribution: 0,900] [Scientific direction: S 006,S 007]
17	<b>Sabaliauskas, Martynas; Dzemyda, Gintautas.</b> On the visual approach to global optimization for multidimensional scaling // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems" : Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 72. On the Internet: < <a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a> > [seen 2018-12-18]. [Contribution: 1,000] [Scientific direction: T 007]
18	<b>Valatavičius, Andrius; Gudas, Saulius.</b> A deep knowledge based evaluation of applications interoperability // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems" : Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book] : Vilnius University Press, 2018. ISBN 9786090700433. p. 87. DOI: 10.15388/DAMSS.2018.1. [Contribution: 1,000] [Scientific direction: T 007,N 009]
19	<b>Venskus, Julius; Treigys, Povilas; Bernatavičienė, Jolita; Andziulis, Arūnas.</b> Aspects of data collection for abnormal marine transport evaluation // DAMSS 2018 : 10th international workshop on "Data analysis methods for software systems", Druskininkai, Lithuania, November 29 - December 1, 2018 : [abstract book]. Vilnius : Vilniaus universitetas, 2018. ISBN 9786090700433. p. 88. On the Internet: < <a href="https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf">https://www.mii.lt/datamss/files/DAMSS_2018_1.pdf</a> > [seen 2018-12-10]. [Contribution: 0,625] [Scientific direction: T 007]
7	<b>Y - Book Part (Chapter)</b>
1	<b>Y - Book Part (Chapter)</b>
1	<b>Dagienė, Valentina.</b> Resurgence of informatics education in schools: a way to a deeper understanding of informatics concepts // Adventures between lower bounds and higher altitudes : essays dedicated to Juraj Hromkovič on the occasion of his 60th birthday / editors: Hans-Joachim Böckenbauer, Dennis Komm, Walter Unger. Cham : Springer, 2018. ISBN 9783319983547. eISBN 9783319983554. p. 522-537. (Lecture Notes in Computer Science, ISSN 0302-9743, eISSN 1611-3349 ; vol. 11011). DOI: 10.1007/978-3-319-98355-4_30. [DB: SpringerLink] [Contribution: 1,000] [Scientific direction: S 007,T 007]