

Publikacijos pagal publikacijų rūšis

Ataskaitos data:	2024-01-11
Laikotarpis:	2023 - 2023
Dokumento tipas:	PDB
Institucija:	Vilniaus universitetas (įmonės kodas: 211950810)
Padaliniai:	Matematikos ir informatikos fakultetas > Duomenų mokslo ir skaitmeninių technologijų institutas (111400); Matematikos ir informatikos institutas (580000)

Nr.	Publikacijos rūšis*	Turi IF	Autorių kiekis	Publikacijų kiekis	Autorių indėlis
1	D - Duomenų rinkinys		1	1	1,000
2	K1a - Monografija		3	2	2,000
3	K5 - Sudarytas mokslo darbas		2	1	0,667
4	P1a - Straipsnis konferencijos darbų leidinyje Web of Science DB		3	2	2,000
5	P1b - Straipsnis konferencijos darbų leidinyje Scopus DB		6	3	3,000
6	P1c - Straipsnis konferencijos darbų leidinyje kitoje DB		19	8	6,750
7	R1b - Mokslinės konferencijos pranešimas. Pranešimo skaidrės		1	1	0,056
8	S1 - Straipsnis Web of Science DB		4	2	0,711
9	S1 - Straipsnis Web of Science DB	+	93	55	34,739
10	S2 - Straipsnis Scopus DB		1	1	0,076
11	S3 - Straipsnis kitoje DB		6	4	3,167
12	S9 - Straipsnis žiniasklaidoje		2	2	1,250
13	T1 - Konferencijos pranešimo tezės tarptautinėse DB		1	1	0,250
14	T1 - Konferencijos pranešimo tezės tarptautinėse DB	+	1	1	0,200
15	T2 - Konferencijos pranešimo tezės		42	20	14,284
16	T3 - Kitos konferencijos pranešimo tezės		11	6	1,577
17	Y1 - Monografijos dalis		12	6	4,041
18	Y7 - Kitos knygos dalis		2	2	2,000
Iš viso:				118	77,768

Publikacijų sąrašas pagal publikacijų rūšis

Ataskaitos data:	2024-01-11
Laikotarpio tipas:	Pagal publikavimo metus
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Padaliniai:	Matematikos ir informatikos fakultetas > Duomenų mokslo ir skaitmeninių technologijų institutas (111400); Matematikos ir informatikos institutas (580000)
Dokumento tipas:	PDB

D - Duomenų rinkinys

1. **Melnik-Leroy, Gerda Ana (tyrėjas).** Skaitinės vizualinės informacijos apdorojimo nuokrypiai: moduliuojančių faktorių analizė = Analyzing factors modulating exponential growth bias in graphs. Vilnius, 2023. 1 failas. DOI: 10.18279/MIDAS.Expoviz.203466.

K1a - Monografija

1. **Jukna, Stasys.** Tropical circuit complexity: limits of pure dynamic programming. Cham : Springer Nature, 2023. 129 p. (SpringerBriefs in Mathematics, ISSN 2191-8198, eISSN 2191-8201). ISBN 9783031423536. eISBN 9783031423543. DOI: 10.1007/978-3-031-42354-3.
2. **Stripinis, Linas; Paulavičius, Remigijus.** Derivative-free DIRECT-type global optimization: applications and software. Cham : Springer Nature, 2023. X, 121 p. (SpringerBriefs in Optimization, ISSN 2190-8354, eISSN 2191-575X). ISBN 9783031465390. eISBN 9783031465376. DOI: 10.1007/978-3-031-46537-6.

K5 - Sudarytas mokslo darbas

1. **Dzemyda, Gintautas (sudarytojas); Bernatavičienė, Jolita (sudarytojas);** Kacprzyk, Janusz (sudarytojas). Data Science in Applications / editors: Dzemyda, Gintautas, Bernatavičienė, Jolita, Kacprzyk, Janusz. Cham : Springer, 2023. XII, 252 p. (Studies in Computational Intelligence, ISSN 1860-949X, eISSN 1860-9503 ; vol. 1084). ISBN 9783031244520. eISBN 9783031244537. DOI: 10.1007/978-3-031-24453-7.

P1a - Straipsnis konferencijos darbų leidinyje Web of Science DB

1. **Masiulionytė-Dagienė, Vaida.** Modeling of the system for computational thinking automatic assessment // ITiCSE 2023: Proceedings of the 2023 Conference on innovation and technology in computer science education, Turku, Finland, July 7 - 12, 2023. V. 2. New York : Association for Computing Machinery, 2023. ISBN 9798400701399. p. 603-604. DOI: 10.1145/3587103.3594218.
2. **Ramonaitė, Justina; Korvel, Gražina.** Noisy phoneme recognition using 2D Convolution Neural Network // 2023 IEEE 10th Jubilee Workshop on Advances in Information, Electronic and Electrical Engineering, AIEEE 2023, 27-29 April 2023, Vilnius, Lithuania : proceedings. Piscataway, NJ : IEEE, 2023. eISBN 9798350311785. p. 1-6. (IEEE proceedings, ISSN 2689-7334). DOI: 10.1109/AIEEE58915.2023.10134866.

P1b - Straipsnis konferencijos darbų leidinyje Scopus DB

1. **Melnik-Leroy, Gerda Ana; Navickas, Gediminas.** Can better perception become a disadvantage? Synthetic speech perception in congenitally blind users // INTERSPEECH 2023. Proceedings of the annual conference of the International Speech Communication Association, INTERSPEECH, 20-24 August 2023, Dublin, Ireland : International Speech Communication Association. ISSN 2308-457X. eISSN 1990-9772. 2023, p. 1100-1103. DOI: 10.21437/Interspeech.2023-2013.
2. **Paura, Vytautas; Marcinkevičius, Virginijus.** Semi-supervised hyperspectral unmixing dataset creation methods for unmixing algorithm analysis // Image and signal processing for remote sensing XXIX, 4-5 September 2023, Amsterdam, Netherlands / editor(s): Lorenzo Bruzzone, Francesca Bovolo. Bellingham : SPIE, 2023, art. no. 127330Y. ISBN 9781510666955. eISBN 9781510666962. p. [1-7]. (Proceedings of SPIE, eISSN 0277-786X ; vol. 12733). DOI: 10.1117/12.2679826.

3. **Virbukaitė, Sandra; Bernatavičienė, Jolita.** Deep Neural Networks application for Cup-to-Disc ratio estimation in eye fundus images // Proceedings of the 18th conference on computer science and intelligence systems, September 17–20, 2023. Warsaw, Poland / Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, Dominik Ślęzak (eds.). Warsaw : Polskie Towarzystwo Informatyczne, 2023. eISBN 9788396744784. p. 1191-1195. (Annals of computer science and information systems, ISSN 2300-5963 ; vol. 35). DOI: 10.15439/2023F944.

P1c - Straipsnis konferencijos darbų leidinyje kitoje DB

1. **Budžys, Arnoldas; Kurasova, Olga; Medvedev, Viktor.** Behavioral biometrics authentication in critical infrastructure using siamese neural networks // HCI for cybersecurity, privacy and trust: 5th international conference, HCI-CPT 2023, held as part of the 25th HCI international conference, HCII 2023. Copenhagen, Denmark, July 23–28, 2023 : proceedings. Cham : Springer, 2023. ISBN 9783031358210. eISBN 9783031358227. p. 309-322. (Lecture notes in computer science, ISSN 0302-9743, eISSN 1611-3349 ; vol. 14045). DOI: 10.1007/978-3-031-35822-7_21.
2. **Čiapas, Bernardas; Treigys, Povilas.** Self-checkout product class verification using center loss approach // WSCG 2023: 31. International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision, Plzen, Czech Republic, May 15 – 19, 2023 : proceedings. Pilsen : University of West Bohemia, 2023. eISBN 9788086943329. p. 21-28. (Computer Science Research Notes CSRN, ISSN 2464-4617, eISSN 2464-4625 ; vol. 3301). DOI: 10.24132/CSRN.3301.4.
3. **Gipiškis, Rokas;** Chiaro, Diletta; Annunziata, Daniela; Piccialli, Francesco. Ablation studies in activation maps for explainable semantic segmentation in industry 4.0 // IEEE EUROCON 2023 - 20th International Conference on Smart Technologies, 06-08 July 2023, Torino, Italy. New York : IEEE, 2023. ISBN 9781665463980. eISBN 9781665463973. p. 36-41. DOI: 10.1109/EUROCON56442.2023.10199094.
4. **Gipiškis, Rokas; Kurasova, Olga.** Occlusion-based approach for interpretable semantic segmentation // 2023 18th Iberian Conference on Information Systems and Technologies (CISTI), 20–23 June 2023, Aveiro, Portugal. New York : IEEE, 2023. ISBN 9798350305272. eISBN 9789893347928. ISSN 2166-0727. eISSN 2166-0727. p. 1-6. DOI: 10.23919/CISTI58278.2023.10212017.
5. **Kurasova, Olga; Medvedev, Viktor; Šubonienė, Aušra; Dzemyda, Gintautas;** Kielaitė-Gulla, Aistė; Samuilis, Artūras; Jagminas, Džiugas; Strupas, Kęstutis. Semi-supervised learning with pseudo-labeling for pancreatic cancer detection on CT scans // 2023 18th Iberian Conference on Information Systems and Technologies (CISTI), 20–23 June 2023, Aveiro, Portugal. New York : IEEE, 2023. ISBN 9798350305272. eISBN 9789893347928. ISSN 2166-0727. eISSN 2166-0727. p. [1-6]. DOI: 10.23919/CISTI58278.2023.10211356.
6. **Medvedev, Viktor; Budžys, Arnoldas; Kurasova, Olga.** Enhancing keystroke biometric authentication using deep learning techniques // 2023 18th Iberian Conference on Information Systems and Technologies (CISTI), 20-23 June, Aveiro, Portugal, 2023 : proceedings. New York : IEEE, 2023. ISBN 9798350305272. eISBN 9789893347928. ISSN 2166-0727. eISSN 2166-0727. p. [1-6]. DOI: 10.23919/CISTI58278.2023.10211344.
7. **Ruminavičiūtė, Gabrielė; Bernatavičienė, Jolita.** Ensemble for quality assessment of eye fundus images involving deep learning methods // 2023 18th Iberian Conference on Information Systems and Technologies (CISTI), 20–23 June 2023, Aveiro, Portugal. New York : IEEE, 2023. ISBN 9798350305272. eISBN 9789893347928. ISSN 2166-0727. eISSN 2166-0727. p. [1-6]. DOI: 10.23919/CISTI58278.2023.10211416.
8. **Stankevičius, Dominykas; Treigys, Povilas.** Investigation of machine learning methods for colour audio noise suppression // 2023 18th Iberian Conference on Information Systems and Technologies (CISTI), 20–23 June 2023, Aveiro, Portugal. New York : IEEE, 2023. ISBN 9798350305272. eISBN 9789893347928. eISSN 2166-0727. p. [1-6]. DOI: 10.23919/CISTI58278.2023.10211742.

R1b - Mokslinės konferencijos pranešimas. Pranešimo skaidrės

1. Šostakaitė, Gintarė; Jauniškytė, Martyna; Budrys, Dominykas; Budrevičius, Kastytis; Šalčiūtė-Šimėnė, Erika; Svetikienė, Marija; **Žvirblis, Tadas;** Klimašauskas, Andrius; Šipylaitė, Jūratė. The impact of fluid balance on muscle mass assessment techniques in ICU patients: Muscle Ultrasound versus Bioelectrical Impedance Analysis // BaltAnestIC 2023: 11th international Baltic congress of anaesthesiology and intensive care, 28-30 September 2023, Tartu, Estonia. Tartu. 2023, p. [1-9].

S1 - Straipsnis Web of Science DB

1. Antonelli, Dario; Christopoulos, Athanasios; Laakso, Mikko-Jussi; Dagienė, Valentina; Juškevičienė, Agnė; **Masiulionytė-Dagienė, Vaida**; Mądziel, Maksymilian; Stadnicka, Dorota; Stylios, Chrysostomos. A virtual reality laboratory for blended learning education: design, implementation and evaluation // Education sciences. Basel : MDPI. eISSN 2227-7102. 2023, vol. 13, iss. 5, art. no. 528, p. [1-16]. DOI: 10.3390/educsci13050528.
2. **Astrauskas, Arvydas**. Some bounds for the expectations of functions on order statistics and their applications // Journal of theoretical probability. New York : Springer. ISSN 0894-9840. eISSN 1572-9230. 2023, vol. 36, iss. 2, p. 1116-1147. DOI: 10.1007/s10959-022-01179-9.
3. **Belovas, Igoris**. An inequality for the Riemann zeta function // Acta Mathematica Hungarica. Dordrecht : Springer. ISSN 0236-5294. eISSN 1588-2632. 2023, vol. 170, iss. 1, p. 367-378. DOI: 10.1007/s10474-023-01329-3.
4. **Belovas, Igoris**. The asymptotics of the geometric polynomials // Mathematica Slovaca. Berlin : De Gruyter. ISSN 0139-9918. eISSN 1337-2211. 2023, vol. 73, no. 2, p. 335-342. DOI: 10.1515/ms-2023-0026.
5. **Breskuvienė, Dalia; Dzemyda, Gintautas**. Categorical feature encoding techniques for improved classifier performance when dealing with imbalanced data of fraudulent transactions // International journal of computers communications & control. Oradea : Agora University. ISSN 1841-9836. eISSN 1841-9844. 2023, vol. 18, iss. 3, art. no. 5433, p. [1-17]. DOI: 10.15837/ijccc.2023.3.5433.
6. **Burakauskaitė, Ieva; Čiginas, Andrius**. An approach to integrating a non-probability sample in the population census // Mathematics. Basel : MDPI. eISSN 2227-7390. 2023, vol. 11, iss. 8, art. no. 1782, p. [1-14]. DOI: 10.3390/math11081782.
7. Burneikaitė, Greta; Shkolnik, Evgeny; **Puronaitė, Roma**; Zuožienė, Gitana; Petrauskienė, Birutė; Misonis, Nerijus; Kazėnaitė, Edita; Laucevičius, Aleksandras; Smih, Fatima; Rouet, Philippe; Čelutkienė, Jelena. The association of catestatin and endocan with the effects of cardiac shock wave therapy: Biomarker sub-study of the randomized, sham procedure-controlled trial // Frontiers in cardiovascular medicine. Lausanne : Frontiers Media S.A. eISSN 2297-055X. 2023, vol. 10, art. no. 1004574, p. [1-14]. DOI: 10.3389/fcvm.2023.1004574.
8. Camanho, Ana S.; **Stumbrienė, Dovilė**; Barbosa, Flávia; **Jakaitienė, Audronė**. The assessment of performance trends and convergence in education and training systems of European countries // European journal of operational research: Volume 305, Issue 1, 16 February 2023, Pages 356-372. Amsterdam : Elsevier. ISSN 0377-2217. eISSN 1872-6860. 2023, vol. 305, no. 1, p. 356-372. DOI: 10.1016/j.ejor.2022.05.048.
9. **Čiapas, Bernardas; Treigys, Povilas**. Automated barcodeless product classifier for food retail self-checkout images // Visual computer. New York : Springer. ISSN 0178-2789. eISSN 1432-2315. 2023, first published online, p. [1-15]. DOI: 10.1007/s00371-023-03163-8.
10. **Čiginas, Andrius**. Design-based composite estimation of small proportions in small domains // Nonlinear analysis: modelling and control. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-5113. eISSN 2335-8963. 2023, vol. 28, no. 4, p. 720-734. DOI: 10.15388/name.2023.28.32197.
11. **Čiginas, Andrius**. Design-based composite estimation rediscovered // Stat. Hoboken : Wiley. ISSN 2049-1573. 2023, vol. 12, iss. 1, art. no. e579, p. [1-8]. DOI: 10.1002/sta4.579.
12. **Daranda, Andrius; Dzemyda, Gintautas**. Reinforcement learning strategies for vessel navigation // Integrated computer-aided engineering. Amsterdam : IOS Press. ISSN 1069-2509. eISSN 1875-8835. 2023, vol. 30, no. 1, p. 53-66. DOI: 10.3233/ICA-220688.
13. Di Nunno, Giulia; **Kubilius, Kęstutis**; Mishura, Yuliya; Yurchenko-Tytarenko, Anton. From constant to rough: a survey of continuous volatility modeling // Mathematics. Basel : MDPI AG. eISSN 2227-7390. 2023, vol. 11, iss. 19, art. no. 4201, p. [1-35]. DOI: 10.3390/math11194201.
14. **Ducinskas, Kestutis**; Dreiziene, Lina. Actual error rates in linear discrimination of spatial Gaussian data in terms of semivariograms // Communications in statistics - theory and methods. Philadelphia : Taylor & Francis INC. ISSN 0361-0926. eISSN 1532-415X. 2023, vol. 52, no. 9, p. 3165-3173. DOI: 10.1080/03610926.2021.1968903.
15. Fernández, Pascual; **Lančinskas, Algirdas**; Pelegrín, Blas; **Žilinskas, Julius**. A discrete competitive facility location model with proportional and binary rules sequentially applied // Optimization letters. Heidelberg :

16. **Gipiškis, Rokas**; Chiaro, Diletta; Preziosi, Marco; Prezioso, Edoardo; Piccialli, Francesco. The impact of adversarial attacks on interpretable semantic segmentation in cyber-physical systems // *IEEE systems journal*. New York : Institute of Electrical and Electronics Engineers Inc. ISSN 1932-8184. eISSN 1937-9234. 2023, vol. 17, no. 4, p. 5327-5334. DOI: 10.1109/JSYST.2023.3281079.
17. **Gudžius, Povilas**; **Kurasova, Olga**; **Darulis, Vytenis**; **Filatovas, Ernestas**. AutoML-based neural architecture search for object recognition in satellite imagery // *Remote sensing*. Basel : MDPI. eISSN 2072-4292. 2023, vol. 15, iss. 1, art. no. 91, p. [1-24]. DOI: 10.3390/rs15010091.
18. Janson, Svante; **Kurauskas, Valentas**. Estimating global subgraph counts by sampling // *Electronic journal of combinatorics*. Newark : Electronic journal of combinatorics. ISSN 1077-8926. 2023, vol. 30, iss. 2, art. no. P2.24, p. [1-9]. DOI: 10.37236/11618.
19. **Jucevičius, Justinas**; **Treigys, Povilas**; **Bernatavičienė, Jolita**; Trakymas, Mantas; Naruševičiūtė, Ieva. Usage of isotropic MRI images improves prostate cancer localization results // *Baltic journal of modern computing*. Rīga : University of Latvia. ISSN 2255-8942. eISSN 2255-8950. 2023, vol. 11, no. 4, p. 703-725. DOI: 10.22364/bjmc.2023.11.4.09.
20. **Juneja, Shubham**; Daniušis, Povilas; **Marcinkevičius, Virginijus**. Visual place recognition pre-training for end-to-end trained autonomous driving agent // *IEEE access*. Piscataway : Institute of Electrical and Electronics Engineers Inc. eISSN 2169-3536. 2023, vol. 11, p. 128421-128428. DOI: 10.1109/ACCESS.2023.3331678.
21. **Jurkus, Robertas**; **Venskus, Julius**; **Treigys, Povilas**. Application of coordinate systems for vessel trajectory prediction improvement using a recurrent neural networks // *Engineering applications of artificial intelligence*. Oxford : Pergamon-Elsevier Science Ltd. ISSN 0952-1976. eISSN 1873-6769. 2023, vol. 123, part C, art. no. 106448, p. [1-10]. DOI: 10.1016/j.engappai.2023.106448.
22. Kałkol, Krzysztof; **Korvel, Grażina**; **Tamulevičius, Gintautas**; Kostek, Bożena. Detecting Lombard speech using deep learning approach // *Sensors*. Basel : Sensors. eISSN 1424-8220. 2023, vol. 23, no. 1, art. no. 315, p. [1-20]. DOI: 10.3390/s23010315.
23. Kalibatienė, Diana; **Miliauskaitė, Jolanta**; **Slotkienė, Asta**; **Gudas, Saulius**. On the development of the web service quality modelling space // *Expert systems with applications*. Oxford : Elsevier. ISSN 0957-4174. eISSN 1873-6793. 2023, 211, art. no. 118584, p. 1-12. DOI: 10.1016/j.eswa.2022.118584.
24. Kampylis, Panagiotis; **Dagienė, Valentina**; Bocconi, Stefania; Chiocciariello, Augusto; Engelhardt, Katja; **Stupurienė, Gabrielė**; **Masiulionytė-Dagienė, Vaida**; Jasutė, Eglė; Malagoli, Chiara; Horvath, Milena; Earp, Jeffrey. Integrating computational thinking into primary and lower secondary education: a systematic review // *Educational technology & society: Special Issue on "Creating Computational Thinkers for the Artificial Intelligence Era—Catalyzing the Process through Educational Technology"*. Taipei City : International Forum of Educational Technology & Society. ISSN 1176-3647. eISSN 1436-4522. 2023, vol. 26, iss. 2, p. 99-117. DOI: 10.30191/ETS.202304_26(2).0008.
25. **Karaliūtė, Marta**; **Dučinskas, Kęstutis**. Performance of the supervised generative classifiers of spatio-temporal areal data using various spatial autocorrelation indexes // *Nonlinear analysis: modelling and control*. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-5113. eISSN 2335-8963. 2023, vol. 28, no. 2, p. 250-263. DOI: 10.15388/namc.2023.28.31434.
26. **Korvel, Grażina**; **Treigys, Povilas**; Kałkol, Krzysztof; Kostek, Bożena. Investigation of the Lombard effect based on a machine learning approach // *International journal of applied mathematics and computer science*. Warsaw : Sciendo. ISSN 1641-876X. eISSN 2083-8492. 2023, vol. 33, no. 3, p. 479-492. DOI: 10.34768/amcs-2023-0035.
27. Koszewski, Damian; Görne, Thomas; **Korvel, Grażina**; Kostek, Bożena. Automatic music signal mixing system based on one-dimensional Wave-U-Net autoencoders // *Eurasip journal on audio speech and music processing*. New York : Springer. ISSN 1687-4722. eISSN 1687-4722. 2023, vol. 2023, no. 1, art. no. 1, p. [1-17]. DOI: 10.1186/s13636-022-00266-3.
28. **Kubilius, Kęstutis**. Fractional SDEs with stochastic forcing: Existence, uniqueness, and approximation // *Nonlinear analysis: modelling and control*. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-5113. eISSN 2335-8963. 2023, vol. 28, iss. 6, p. 1196-1225. DOI: 10.15388/namc.2023.28.33508.

29. **Kubilius, Kęstutis**; Medžiūnas, Aidas. A class of fractional stochastic differential equations with a soft wall // *Fractal and fractional*. Basel : MDPI. eISSN 2504-3110. 2023, vol. 7, iss. 2, art. no. 110, p. [1-19]. DOI: 10.3390/fractalfract7020110.
30. Lycholip, Valentinas; **Puronaitė, Roma**; Skorniakov, Viktor; Navickas, Petras; Tarutytė, Gabrielė; Trinkūnas, Justas; Burneikaitė, Greta; Kazėnaitė, Edita; Jankauskienė, Augustina. Assessment of the disease severity in patients hospitalized for COVID-19 based on the National Early Warning Score (NEWS) using statistical and machine learning methods: An electronic health records database analysis // *Technology and health care*. Amsterdam : IOS Press. ISSN 0928-7329. eISSN 1878-7401. 2023, vol. 31, no. 6, p. 2513-2524. DOI: 10.3233/THC-235016.
31. Markovich, Natalia; **Vaičiulis, Marijus**. Extreme value statistics for evolving random networks // *Mathematics*. Basel : MDPI. eISSN 2227-7390. 2023, vol. 11, iss. 9, art. no. 2171, p. [1-35]. DOI: 10.3390/math11092171.
32. **Melnik-Leroy, Gerda Ana**; **Aidokas, Linas**; **Dzemyda, Gintautas**; **Dzemydaitė, Giedrė**; **Marcinkevičius, Virginijus**; **Tiešis, Vytautas**; **Usovaitė, Ana**. Is my visualization better than yours? Analyzing factors modulating exponential growth bias in graphs // *Frontiers in psychology*. Lausanne : Frontiers Media SA. eISSN 1664-1078. 2023, vol. 14, art. no. 1125810, p. [1-11]. DOI: 10.3389/fpsyg.2023.1125810.s001.
33. Muhie, Seid Kassaw; **Otera, Daniele Ettore**; Russo, Francesco G. Factorization number and subgroup commutativity degree via spectral invariants // *Computational and applied mathematics*. Heidelberg : Springer. ISSN 2238-3603. eISSN 1807-0302. 2023, vol. 42, iss. 3, art. no. 132, p. [1-14]. DOI: 10.1007/s40314-023-02270-5.
34. Narwani, Kamlesh; Lin, Hongzhi; Pirbhulal, Sandeep; **Hassan, Mir**. Towards AI-enabled approach for Urdu text recognition: a legacy for Urdu image apprehension // *IEEE access*. Piscataway, NJ : Institute of Electrical and Electronics Engineers (IEEE). eISSN 2169-3536. 2023, first published online, p. [1-13]. DOI: 10.1109/ACCESS.2022.3203426.
35. Nikolouloupoulou, Natalia; Perikos, Isidoros; Daramouskas, Ioannis; Makris, Christos; **Treigys, Povilas**; Hatzilygeroudis, Ioannis. A convolutional autoencoder approach for boosting the specificity of retinal blood vessels segmentation // *Applied sciences*. Basel : MDPI. eISSN 2076-3417. 2023, vol. 13, iss. 5, art. no. 3255, p. [1-17]. DOI: 10.3390/app13053255.
36. **Noreika, Karolis**; **Gudas, Saulius**. Causal knowledge modelling for Agile development of enterprise application systems // *Informatica*. Vilnius : Vilniaus universiteto leidykla. ISSN 0868-4952. eISSN 1822-8844. 2023, vol. 34, no. 1, p. 121-146. DOI: 10.15388/23-INFOR510.
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