Година	Наслов на публикацијата	АВТОРИ
2024	A narrative review of e-health systems' evolution – evidence from a regional study	Kitanovikj, Bojan; Koteska, Bojana; Levkov, Nikola; Velinov, Goran; Chagoroska, Zaklina
2024	A novel methodological approach for learning cybersecurity topics in primary schools	Videnovik, Maja, Sonja Filiposka, and Vladimir Trajkovik
2024	Blood Oxygen Saturation Estimation with Laser-Induced Graphene Respiration Sensor	Madevska Bogdanova, Ana; Koteska, Bojana; Vićentić, Teodora; D. Ilić, Stefan; Tomić, Miona; Spasenović, Marko
2024	Full-mesh VPN performance evaluation for a secure edge-cloud continuum	Kjorveziroski, Vojdan; Bernad, Cristina; Gilly, Katja; Filiposka, Sonja
2024	Full-mesh VPN performance evaluation for a secure edge-cloud continuum	Kjorveziroski, Vojdan, Cristina Bernad, Katja Gilly, and Sonja Filiposka.
2024	In-Domain Self-Supervised Learning Improves Remote Sensing Image Scene Classification	Ivica Dimitrovski, Ivan Kitanovski, Nikola Simidjievski, Dragi Kocev
2024	North Macedonia interprofessional dementia care (NOMAD) – personalized care plans for people with dementia and caregiver psychoeducation delivered at home by interprofessional teams	Novotni, G., Taneska, M., Novotni, A., Fischer, J., Iloski, S., Ivanovska, A., Dimitrova, V., Novotni, L., Milutinović, M., Joksimoski, B. and Chorbev, I
2024	Temperature induced self-healing properties of alginate gelatin hydrogels	Immacolata Greco, Anet Vadakken Gigimon, Carolina Varon, Ana Madevska Bogdanova, Carlo S Iorio
2023	A Complete Air Pollution Monitoring and Prediction Framework	Kalajdjieski, Jovan; Trivodaliev, Kire; Mirceva, Georgina; Kalajdziski, Slobodan; Gievska, Sonja
2023	A toolbox of machine learning software to support microbiome analysis	Laura Judith Marcos-Zambrano, Víctor Manuel López-Molina, Burcu Bakir-Gungor, Marcus Frohme, Kanita Karaduzovic-Hadziabdic, Thomas Klammsteiner, Eliana Ibrahimi, Leo Lahti, Tatjana Loncar-Turukalo, Xhilda Dhamo, Andrea Simeon, Alina Nechyporenko, Gianvito Pio, Piotr Przymus, Alexia Sampri, Vladimir Trajkovik, Blanca Lacruz-Pleguezuelos, Oliver Aasmets, Ricardo Araujo, Ioannis Anagnostopoulos, Önder Aydemir, Magali Berland, M Luz Calle, Michelangelo Ceci, Hatice Duman, Aycan Gündoğdu, Aki S Havulinna, Kardokh Hama Najib Kaka Bra, Eglantina Kalluci, Sercan Karav, Daniel Lode, Marta B Lopes, Patrick May, Bram Nap, Miroslava Nedyalkova, Inês Paciência, Lejla Pasic, Meritxell Pujolassos, Rajesh Shigdel, Antonio Susín, Ines Thiele, Ciprian-Octavian Truică, Paul Wilmes, Ercument Yilmaz, Malik Yousef, Marcus Joakim Claesson, Jaak Truu, Enrique Carrillo de Santa Pau
2023	Advancing methods in big data capture, integration, classification and liberation	Zdraveski, Eftim; Pires, Ivan Miguel
2023	Advancing microbiome research with machine learning: key findings from the ML4Microbiome COST action	Domenica D'Elia, Jaak Truu, Leo Lahti, Magali Berland, Georgios Papoutsoglou, Michelangelo Ceci, Aldert Zomer, Marta B Lopes, Eliana Ibrahimi, Aleksandra Gruca, Alina Nechyporenko, Marcus Frohme, Thomas Klammsteiner, Enrique Carrillo-de Santa Pau, Laura Judith Marcos-Zambrano, Karel Hron, Gianvito Pio, Andrea Simeon, Ramona Suharoschi, Isabel Moreno-Indias, Andriy Temko, Miroslava Nedyalkova, Elena-Simona Apostol, Ciprian-Octavian Truică, Rajesh Shigdel, Jasmina Hasić Telalović, Erik Bongcam-Rudloff, Piotr Przymus, Naida Babić Jordamović, Laurent Falquet, Sonia Tarazona, Alexia Sampri, Gaetano Isola, David Pérez-Serrano, Vladimir Trajkovik, Lubos Klucar, Tatjana Loncar-Turukalo, Aki S Havulinna, Christian Jansen, Randi J Bertelsen, Marcus Joakim Claesson
2023	Age and Gender Impact on Heart Rate Variability towards Noninvasive Glucose Measurement	Stojmenski, Aleksandar; Gusev, Marjan; Chorbev, Ivan; Tudjarski, Stojancho; Poposka, Lidija; Vavlukis, Marija
2023	AiTLAS: Artificial Intelligence Toolbox for Earth Observation	Kitanovski, Ivan; Dimitrovski, Ivica; Panov, Panche; Simidjievski, Nikola; Kocev, Dragi
2023	Algorithmic Approach for a Unique Definition of the Next-Generation Matrix	Avram, Florin; Adenane, Rim; Basnarkov, Lasko; Johnston, Matthew D
2023	Algorithms for automated diagnosis of cardiovascular diseases based on ECG data: A comprehensive systematic review	Vitaliyivna Denysyuk, Hanna; Pinto, Rui Joao; Silva, Pedro Miguel; Duarte, Rui Pedro; Marinho, Francisco Alexandre; Pimenta, Luís; Gouveia, António Jorge; Gonçalves, Norberto Jorge; Coelho, Paulo Jorge; Zdravevski, Eftim; Lameski, Petre; Leithardt, Valderi; Garcia, Nuno M; Pires, Ivan Miguel
2023	An Age of Infection Kernel, an ℛ Formula, and Further Results for Arino–Brauer A, B Matrix Epidemic Models with Varying Populations, Waning Immunity, and Disease and Vaccination Fatalities	Avram, Florin; Adenane, Rim; Basnarkov, Lasko; Bianchin, Gianluca; Goreac, Dan; Halanay, Andrei
2023	Analysis of Cyberattacks in the Western Balkans Countries and Croatia with a focus on the treatment of policy violations and strategies that states use to protect against attacks – Review	Mollakuqe, Elissa; Dimitrova, Vesna; Popovska-Mitrovikj, Aleksandra
2023	Assessment of the WRF model in simulating a catastrophic flash flood	Spiridonov, Vlado; Ćurić, Mladjen; Grčić, Marija; Jakimovski, Boro; Spasovski, Milosh
2023	Authentication and authorisation in service-oriented grid architecture	Beshiri, Arbër; Mishev, Anastas
2023	Current Trends in Deep Learning for Earth Observation: An Open-source Benchmark Arena for Image Classification	Dimitrovski, Ivica; Kitanovski, Ivan; Kocev, Dragi; Simidjievski, Nikola
2023	Data stream mining for predicting the thermal power consumption of the Mars Express spacecraft	Stevanoski, Bozhidar; Kocev, Dragi; Osojnik, Aljaž; Dimitrovski, Ivica; Džeroski, Sasho
2023	Deep Learning Methods for Bug Bite Classification: An End-to-End System	Ilijoski, Bojan; Trojachanec Dineva, Katarina; Tojtovska Ribarski, Biljana; Petrov, Petar; Mladenovska, Teodora; Trajanoska, Milena; Gjorshoska, Ivana; Lameski, Petre
2023	Fast Decoding of Images With Cryptcodes for Burst Channels	Popovska-Mitrovikj, Aleksandra; Mechkaroska, Daniela; Bakeva, Verica
2023	Game-based learning approach in computer science in primary education: A systematic review	Videnovik, Maja; Madevska Bogdanova, Ana; Trajkovik, Vladimir
2023	Game-based learning in computer science education: a scoping literature review	Videnovik, Maja; Vold, Tone; Kiønig, Linda; Madevska Bogdanova, Ana; Trajkovik, Vladimir
2023	Gender impact on STEM online learning-a correlational study of gender, personality traits and learning styles in relation to different online teaching modalities	Idrizi, Ermira; Filiposka, Sonja; Trajkovikj, Vladimir
2023	Knowledge Graph Based Recommender for Automatic Playlist Continuation	Ivanovski, Aleksandar; Jovanovik, Milos; Stojanov, Riste; Trajanov, Dimitar
2023	Methods for urban Air Pollution measurement and forecasting: Challenges, opportunities, and solutions	Mitreska Jovanovska, Elena; Batz, Victoria; Lameski, Petre; Zdravevski, Eftim; Herzog, Michael A; Trajkovik, Vladimir
2023	mHealth apps targeting obesity and overweight in young people: App review and analysis	Vlahu-Gjorgievska, Elena; Burazor, Andrea; Than Win, Khin; Trajkovik, Vladimir
2023	Mobile and wearable technologies for the analysis of Ten Meter Walk Test: A concise systematic review	Lopes Gabriel, Cristiana; Pires, Ivan Miguel; Coelho, Paulo Jorge; Zdravevski, Eftim; Lameski, Petre; Mewada, Hiren; Madeira, Filipe; Garcia, Nuno M; Carreto, Carlos
2023	On the (WGb,φ; α)– diaphony of the nets of Halton- Zaremba constructed over finite groups	Dimitrievska Ristovska, Vesna; Grozdanov, Vassil
2023	Personalized education for sustainable development	Zdravkova, Katerina
2023	PharmKE: Knowledge Extraction Platform for Pharmaceutical Texts Using Transfer Learning	Jofche, Nasi; Mishev, Kostadin; Stojanov, Riste; Jovanovik, Milos; Zdravevski, Eftim; Trajanov, Dimitar
2023	Random walks on networks with centrality-based stochastic resetting	Zelenkovski, Kiril; Sandev, Trifce; Metzler, Ralf; Kocarev, Ljupco; Basnarkov, Lasko
2023	Requirements Engineering in Machine Learning Projects	Gjorgjevikj, Ana; Mishev, Kostadin; Antovski, Ljupcho; Trajanov, Dimitar
2023	Review of Natural Language Processing in Pharmacology	Trajanov, Dimitar; Trajkovski, Vangel; Dimitrieva, Makedonka; Dobreva, Jovana; Jovanovik, Milos; Klemen, Matej; Žagar, Aleš; Robnik-Šikonja, Marko
2023	Serverless electrocardiogram stream processing in federated clouds with lambda architecture	Ristov, Sashko; Gusev, Marjan; Hohenegger, Armin; Prodan, Radu; Mileski, Dimitar; Gushev, Pano; Temelkov, Goran
2023	Smart generation of code tracing questions for assessment in introductory programming	Stankov, Emil; Jovanov, Mile; Madevska Bogdanova, Ana
2023	Statistical and Machine Learning Link Selection Methods for Brain Functional Networks: Review and Comparison	Ivanoska, Ilinka; Trivodaliev, Kire; Kalajdziski, Slobodan; Zanin, Massimiliano
2023	The capability of NOTHAS in the prediction of extreme weather events across different climatic areas	Spiridonov, Vlado; Grcić, Marija; Sladić, Nedim; Ćurić, Mladjen; Jakimovski, Boro
2023	Towards Industry 4.0: Machine malfunction prediction based on IIoT streaming data	Nikolova, Dragana; Lameski, Petre; Pires, Ivan Miguel; Zdravevski, Eftim
2023	Using ML and Explainable AI to understand the interdependency networks between classical economic indicators and crypto-markets	Todorovska, Ana; Peshov, Hristijan; Rusevski, Ivan; Vodenska, Irena; Chitkushev, T. Lubomir; Trajanov, Dimitar
2023	Wearable and mobile data analysis methodologies for personalized medicine	Pires, Ivan Miguel; Dobre, Ciprian; Zdravevski, Eftim; Garcia, Nuno M
2023	WebAssembly as an Enabler for Next Generation Serverless Computing	Kjorveziroski, Vojdan; Filiposka, Sonja
2023	WebAssembly Orchestration in the Context of Serverless Computing	Kjorveziroski, Vojdan; Filiposka, Sonja
2022	A 12-bit 20-kS/s 640-nW SAR ADC with a VCDL-Based Open-Loop Time-Domain Comparator	Xiaochuan Zhou; Xiaoyan Gui; Marjan Gusev; Nevena Ackovska; Yanlong Zhang; Li Geng
2022	A Brief Review on Gender Identification with Electrocardiography Data	Bastos, Eduarda Sofia; Duarte, Rui Pedro; Marinho, Francisco Alexandre; Rudenko, Roman; Vitaliyivna Denysyuk, Hanna; Gonçalves, Norberto Jorge; Zdravevski, Eftim; Albuquerque, Carlos; M Garcia, Nuno; Pires, Ivan Miguel
2022	A Comprehensive Review of Methods and Equipment for Aiding Automatic Glaucoma Tracking	Camara, José; Neto, Alexandre; Pires, Ivan Miguel; Villasana, María Vanessa; Zdravevski, Eftim; Cunha, António
2022	A Framework for Evaluation and Improvement of Open Government Data Quality: Application to the Western Balkans National Open Data Portals	Raca, Vigan; Velinov, Goran; Dzalev, Stefan; Kon-Popovska, Margita

Year	Title	Authors
2022	Ambient Assisted Living: Scoping Review of Artificial Intelligence Models, Domains, Technology, and Concerns	Mladjan Jovanovic; Goran Mitrov; Eftim Zdravevski; Petre Lameski; Sara Colantonio; Martin Kampel; Francisco Florez-Revuelta
2022	Are Active and Assisted Living applications addressing the main acceptance concerns of their beneficiaries? Preliminary insights from a scoping review	Colantonio, Sara; Jovanovic, Mladjan; Zdravevski, Eftim; Lameski, Petre; Tellioglu, Hilda; Kampel, Martin; Florez-Revuelta, Francisco
2022	Assessing Identifiability in Airport Delay Propagation Roles Through Deep Learning Classification	Ivanoska, Ilinka; Pastorino, Luisina; Zanin, Massimiliano
2022	CafeteriaFCD Corpus: Food Consumption Data Annotated with Regard to Different Food Semantic Resources	Ispirova, Gordana; Cenikj, Gjorgjina; Ogrinc, Matevž; Valenčič, Eva; Stojanov, Riste; Korošec, Peter; Cavalli, Ermanno; Koroušić Seljak, Barbara; Eftimov, Tome
2022	CafeteriaSA corpus: scientific abstracts annotated across different food semantic resources	Cenikj, Gjorgjina; Valenčič, Eva; Ispirova, Gordana; Ogrinc, Matevž; Stojanov, Riste; Korošec, Peter; Cavalli, Ermanno; Seljak, Barbara Koroušić; Eftimov, Tome
2022	Can the Eight Hop Test Be Measured with Sensors? A Systematic Review	Pimenta, Luís; Garcia, Nuno M; Zdravevski, Eftim; Chorbev, Ivan; Trajkovikj, Vladimir; Lameski, Petre; Albuquerque, Carlos; Pires, Ivan Miguel
2022	Cutting-edge communication and learning assistive technologies for disabled children: An artificial intelligence perspective	Zdravkova, Katerina; Krasniqi, Venera; Dalipi, Fisnik; Ferati, Mexhid
2022	Daily motionless activities: A dataset with accelerometer, magnetometer, gyroscope, environment, and GPS data	Pires, Ivan Miguel; Garcia, Nuno M; Zdravevski, Eftim; Lameski, Petre
2022	Development Technologies for the Monitoring of Six-Minute Walk Test: A Systematic Review	Pires, Ivan Miguel; Vitaliyivna Denysyuk, Hanna; Villasana, María Vanessa; Sá, Juliana; Marques, Diogo Luís; Morgado, José Francisco; Albuquerque, Carlos; Zdravevski, Eftim
2022	Dietary, comorbidity, and geo-economic data fusion for explainable COVID-19 mortality prediction	Trajanoska, Milena; Trajanov, Risto; Eftimov, Tome
2022	End-to-end simulation environment for mobile edge computing	Gilly, Katja; Bernad, Cristina; Roig, Pedro J.; Alcaraz, Salvador; Filiposka, Sonja
2022	Endemic state equivalence between non-Markovian SEIS and Markovian SIS model in complex networks	Tomovski, Igor; Basnarkov, Lasko; Abazi, Alajdin
2022	Estimation of the basic reproduction number of COVID-19 from the incubation period distribution	Basnarkov, Lasko; Tomovski, Igor; Avram, Florin
2022	Ethically Responsible Machine Learning in Fintech	Rizinski, Maryan; Peshov, Hristijan; Mishev, Kostadin; Chitkushev, Ljubomir; Vodenska, Irena; Trajanov, Dimitar
2022	Extending robot therapy for children with autism using mobile and web application	Bojan Ilijoski, Nevena Ackovska, Tatjana Zorcec, Zaneta Popeska
2022	GAN-Based Image Colorization for Self-Supervised Visual Feature Learning	Gievska, Sonja; Treneska, Sandra; Zdravevski, Eftim; Pires, Ivan Miguel; Lameski, Petre
2022	Impact of Assistive Technologies to Inclusive Education and Independent Life of Down Syndrome Persons: A Systematic Literature Review and Research Agenda	Krasniqi, Venera; Zdravkova, Katerina; Dalipi, Fisnik
2022	Information Hiding in the DICOM Message Service and Upper Layer Service with Entropy-Based Detection	Mileva, Aleksandra; Velinov, Aleksandar; Dimitrova, Vesna; Caviglione, Luca; Wendzel, Steffen
2022	Kubernetes distributions for the edge: serverless performance evaluation	Kjorveziroski, Vojdan; Filiposka, Sonja
2022	Laser-Induced Graphene for Heartbeat Monitoring with HeartPy Analysis	Vićentić, Teodora; Rašljić Rafajilović, Milena; Ilić, Stefan; Koteska, Bojana; Madevska Bogdanova, Ana; Pašti, Igor; Lehocki, Fedor; Spasenović, Marko
2022	Literature Review on Artificial Intelligence Methods for Glaucoma Screening, Segmentation, and Classification	Camara, José; Neto, Alexandre; Pires, Ivan Miguel; Villasana, María Vanessa; Zdravevski, Eftim; Cunha, António
2022	Migration of an Escape Room--Style Educational Game to an Online Environment: Design Thinking Methodology	Videnovik, Majaand Vold, Toneand Dimova, Georginaand Ki{\o}nig, Linda Vibekeand Trajkovik, Vladimir
2022	Monitoring of Cardiovascular Diseases: An Analysis of the Mobile Applications Available in the Google Play Store	Vitaliyivna Denysyuk, Hanna; Amado, João; Gonçalves, Norberto Jorge; Zdravevski, Eftim; Garcia, Nuno M; Pires, Ivan Miguel
2022	MRI radiomics in the prediction of the volumetric response in meningiomas after gamma knife radiosurgery	Speckter, Herwin; Radulovic, Marko; Trivodaliev, Kire; Vranes, Velicko; Joaquin, Johanna; Hernandez, Wenceslao; Mota, Angel; Bido, Jose; Hernandez, Giancarlo; Rivera, Diones; Suazo, Luis; Valenzuela, Santiago; Stoeter, Peter
2022	Non-Markovian SIR epidemic spreading model of COVID-19	Basnarkov, Lasko; Tomovski, Igor; Sandev, Trifce; Kocarev, Ljupco
2022	Remote education trajectories for learners with special needs during the COVID-19 outbreak: An accessibility analysis of the learning platforms	Zdravkova, Katerina; Dalipi, Fisnik; Krasniqi, Venera
2022	Scalable Dew Computing	Gusev, Marjan
2022	Technological solutions for sign language recognition: a scoping review of research trends, challenges, and opportunities	Joksimoski, Boban; Zdravevski, Eftim; Lameski, Petre; Pires, Ivan Miguel; Melero, Francisco José; Martinez, Tomás Puebla; Garcia, Nuno M; Mihajlov, Martin; Chorbev, Ivan; Trajkovikj, Vladimir
2022	Thought on Food: A Systematic Review of Current Approaches and Challenges for Food Intake Detection	Neves, Paulo Alexandre; Simões, João; Costa, Ricardo; Pimenta, Luís; Gonçalves, Norberto Jorge; Albuquerque, Carlos; Cunha, Carlos; Zdravevski, Eftim; Lameski, Petre; Garcia, Nuno M; Pires, Ivan Miguel
2022	Understanding the Role of the Microbiome in Cancer Diagnostics and Therapeutics by Creating and Utilizing ML Models	Cekikj, Miodrag; Jakimovska Özdemir, Milena; Kalajdzhiski, Slobodan; Özcan, Orhan; Uˇgur Sezerman, Osman
2021	A Brief Review on the Sensor Measurement Solutions for the Ten-Meter Walk Test	Pires, Ivan Miguel; Lopes, Eurico; Villasana, María Vanessa; Garcia, Nuno M; Zdravevski, Eftim; Ponciano, Vasco
2021	A fast transform for brain connectivity difference evaluation	Ivanoska, Ilinka; Zanin, Massimiliano; Güntekin, Bahar; Yener, Görsev; Loncar-Turukalo, Tatjana; Sveljo, Olivera; Papo, David; Jakovljevic, Niksa
2021	A Fine-Tuned Bidirectional Encoder Representations From Transformers Model for Food Named-Entity Recognition: Algorithm Development and Validation	Stojanov, Riste; Popovski, Gorjan; Cenikj, Gjorgjina; Koroušić Seljak, Barbara; Eftimov, Tome
2021	A framework for malicious traffic detection in IoT healthcare environment	Hussain, Faisal; Abbas, Syed Ghazanfar; A Shah, Ghalib; Miguel Pires, Ivan; U Fayyaz, Ubaid; Shahzad, Farrukh; M Garcia, Nuno; Zdravevski, Eftim
2021	A GeoSPARQL Compliance Benchmark	Jovanovik, Milos; Homburg, Timo; Spasić, Mirko
2021	A Systematic Investigation of Models for Color Image Processing in Wound Size Estimation	Ferreira, Filipe; Pires, Ivan Miguel; Costa, Mónica; Ponciano, Vasco; Garcia, Nuno M; Zdravevski, Eftim; Chorbev, Ivan; Mihajlov, Martin
2021	Adoption of social networks as Web 2.0 citizen engagement tool in the local e-government context	Rexhepi, Artan; Filiposka, Sonja; Trajkovik, Vladimir
2021	An experimental study on the validity and reliability of a smartphone application to acquire temporal variables during the single sit-to-stand test with older adults	Marques, Diogo Luís; Pereira Neiva, Henrique; Pires, Ivan Miguel; Zdravevski, Eftim; Mihajlov, Martin; Garcia, Nuno M; Ruiz-Cárdenas, Juan Diego; Almeida Marinho, Daniel; Cardoso Marques, Mário
2021	Analysis of Success Indicators in Online Learning	Idrizi, Ermira; Filiposka, Sonja; Trajkovijk, Vladimir
2021	Applications of machine learning in human microbiome studies: a review on feature extraction, biomarker identification, disease prediction and treatment	Marcos-Zambrano, Laura Judith; Karaduzovic-Hadziabdic, Kanita; Loncar Turukalo, Tatjana; Przymus, Piotr; Trajkovikj, Vladimir; Aasmets, Oliver; Berland, Magali; Gruca, Aleksandra; Hasic, Jasminka; Hron, Karel; Kolev, Mikhail; Klammsteiner, Thomas; Lahti, Leo; B Lopes, Marta; Moreno, Victor; Naskinova, Irina; Org, Elin; Paciência, Inês; Georgios Papoutsoglou,; Rajesh Shgidel,; Blaz Stres,; Baiba Vilne,; Malik Yousef,; Zdravevski, Eftim; Tsamardinos, Ioannis; Carrillo de Santa Pau, Enrique; J Claesson, Marcus; Moreno-Indias, Isabel
2021	Cost optimization for big data workloads based on dynamic scheduling and cluster-size tuning	Grzegorowski, Marek; Zdravevski, Eftim; Janusz, Andrzej; Lameski, Petre; Apanowicz, Cas; Ślęzak, Dominik
2021	Credit Risk Model Based on Central Bank Credit Registry Data	Fisnik Doko; Kalajdziski, Slobodan; Mishkovski, Igor
2021	Data-Driven Intelligence System for General Recommendations of Deep Learning Architectures	Mishev, Kostadin; Noveski, Gjorgji; Eftimov, Tome; Simjanoska, Monika
2021	Dew Computing Architecture for Cyber-Physical Systems and IoT	Gusev, Marjan
2021	Discrete-time non-Markovian SEIS model on complex networks	Igor Tomovski; Lasko Basnarkov; Alajdin Abazi
2021	Evolution of cooperation in networked heterogeneous fluctuating environments	Stojkoski, Viktor; Karbevski, Marko; Utkovski, Zoran; Basnarkov, Lasko; Kocarev, Ljupcho
2021	Experimental Study on Wound Area Measurement with Mobile Devices	Ferreira, Filipe; Pires, Ivan Miguel; Ponciano, Vasco; Costa, Mónica; Villasana, María Vanessa; Garcia, Nuno M; Zdravevski, Eftim; Lameski, Petre; Chorbev, Ivan; Mihajlov, Martin; Trajkovikj, Vladimir
2021	Improvement of chemical initialization in the air quality forecast system in North Macedonia, based on WRF-Chem model	Anchev, Nenad; Velinov, Goran; Jakimovski, Boro; Spiridonov, Vlado
2021	Indoor and outdoor environmental data: A dataset with acoustic data acquired by the microphone embedded on mobile devices	Pires, Ivan Miguel; Garcia, Nuno M; Zdravevski, Eftim; Lameski, Petre
2021	IoT Serverless Computing at the Edge: A Systematic Mapping Review	Kjorveziroski, Vojdan; Filiposka, Sonja; Trajkovikj, Vladimir
2021	Is there an association between paternal age and aneuploidy? Evidence from young donor oocyte-derived embryos: a systematic review and individual patient data meta-analysis	Dviri, Michal; Madjunkova, Svetlana; Koziarz, Alex; Madjunkov, Mitko; Mashiach, Jordana; Nekolaichuk, Erica; Trivodaliev, Kire; Al-Asmar, Nasser; Moskovtsev, Sergey Ivanovovich; Librach, Clifford
2021	Keeping Children Safe online with Limited Resources: Analyzing what is seen and heard	Jevremovic, Aleksandar; Veinovic, Mladen; Cabarkapa, Milan; Krstic, Marko; Chorbev, Ivan; Dimitrovski, Ivica; Garcia, Nuno; Pombo, Nuno; Stojmenovic, Milos
2021	Mechanical fault diagnosis by using dynamic transfer adversarial learning	Wei, Yadong; Long, Tuzhi; Cai, Xiaoman; Zhang, Shaohui; GJorgjevikj, Dejan; Li, Chuan
2021	Mobile 5P-medicine approach for cardiovascular patients	Pires, Ivan Miguel; Vitaliyivna Denysyuk, Hanna; Villasana, María Vanessa; Sá, Juliana; Lameski, Petre; Chorbev, Ivan; Zdravevski, Eftim; Trajkovik, Vladimir; Morgado, José Francisco; Garcia, Nuno M
2021	Monitoring the Health and Residence Conditions of Elderly People, Using LoRa and the Things Network	Lousado, José Paulo; Pires, Ivan Miguel; Zdravevski, Eftim; Antunes, Sandra
2021	Multi-Horizon Air Pollution Forecasting with Deep Neural Networks	Arsov, Mirche; Zdravevski, Eftim; Lameski, Petre; Corizzo, Roberto; Koteli, Nikola; Gramatikov, Sasho; Mitreski, Kosta; Trajkovik, Vladimir

2021	Multivariate Decomposition of Acoustic Signals in Dispersive Channels	Brajović, Miloš; Stanković, Isidora; Lerga, Jonatan; Ioana, Cornel; Zdravevski, Eftim; Daković, Miloš
2021	Novel thunderstorm alert system (NOTHAS)	Vlado Spiridonov, Mladjen Curic, Nedim Sladic, Boro Jakimovski
2021	Numerical simulation of a violent supercell tornado over Vienna airport initialized and initiated with a cloud model	Vlado Spiridonov, Mladjen Ćurić, Goran Velinov, Boro Jakimovski
2021	On the Error-Detecting Capability of the Linear Quasigroup Code	Ilievska, Natasha
2021	Prediction of Atrial Fibrillation using artificial intelligence on Electrocardiograms: A systematic review	Matias, Igor; Garcia, Nuno; Pirbhulal, Sandeep; Felizardo, Virginie; Pombo, Nuno; Zacarias, Henriques; Sousa, Miguel; Zdravevski, Eftim
2021	Predictive Migration Performance in Vehicular Edge Computing Environments	Gilly, Katja; Filiposka, Sonja; Alcaraz, Salvador
2021	Real time availability and consistency of health-related information across multiple stakeholders: A blockchain based approach	Dodevski, Zlate; Filiposka, Sonja; Mishev, Anastas; Trajkovikj, Vladimir
2021	Rural Healthcare IoT Architecture Based on Low-Energy LoRa	Dimitrievski, Ace; Filiposka, Sonja; Melero, Francisco José; Zdravevski, Eftim; Lameski, Petre; Pires, Ivan Miguel; Garcia, Nuno M; Lousado, José Paulo; Trajkovikj, Vladimir
2021	SEAIR Epidemic spreading model of COVID-19	Basnarkov, Lasko
2021	Sentiment analysis of students' feedback in MOOCs: A systematic literature review	Dalipi, Fisnik; Zdravkova, Katerina; Ahlgren, Fredrik
2021	Software for the GeoSPARQL Compliance Benchmark	Jovanovik, Milos; Homburg, Timo; Spasić, Mirko
2021	Sparse Autoencoder-based Multi-head Deep Neural Networks for Machinery Fault Diagnostics with Detection of Novelties	Yang, Zhe; GJorgjevikj, Dejan; Long, Jianyu; Zi, Yanyang; Zhang, Shaohui; Li, Chuan
2021	Testing cost containment of future healthcare with maintained or improved quality—The COSTCARES project	Karl Swedberg, Desmond Cawley, Inger Ekman, Heather L. Rogers, Darijana Antonic, Daiga Behmane, Ida Björkman, Nicky Britten, Sandra C. Buttigieg, Vivienne Byers, Mats Börjesson, Kirsten Corazzini, Andreas Fors, Bradi Granger, Boban Joksimoski, Roman Lewandowski, Virgilijus Sakalauskas, Einav Srulovici, Jan Törnell, Sara Wallström, Axel Wolf, Helen M. Lloyd
2021	To code or not to code: Introducing coding in primary schools	Videnovik, Maja; Vlahu-Gjorgievska, Elena; Trajkovikj, Vladimir
2021	Towards Detecting Pneumonia Progression in COVID-19 Patients by Monitoring Sleep Disturbance Using Data Streams of Non-Invasive Sensor Networks	Dimitrievski, Ace; Zdravevski, Eftim; Lameski, Petre; Villasana, María Vanessa; Miguel Pires, Ivan; Garcia, Nuno M; Flórez-Revuelta, Francisco; Trajkovikj, Vladimir
2020	Activities of Daily Living and Environment Recognition Using Mobile Devices: A Comparative Study	Ferreira, José M.; Pires, Ivan Miguel; Marques, Gonçalo; García, Nuno M.; Zdravevski, Eftim; Lameski, Petre; Flórez-Revuelta, Francisco; Spinsante, Susanna; Xu, Lina
2020	Activities of daily living with motion: A dataset with accelerometer, magnetometer and gyroscope data from mobile devices	Pires, Ivan Miguel; Garcia, Nuno M; Zdravevski, Eftim; Lameski, Petre
2020	ADD: Academic Disciplines Detector Based on Wikipedia	Gjorgjevikj, Ana; Mishev, Kostadin; Trajanov, Dimitar
2020	Aerial Scene Classification through Fine-Tuning with Adaptive Learning Rates and Label Smoothing	Petrovska, Biserka; Atanasova-Pacemska, Tatjana; Corizzo, Roberto; Mignone, Paolo; Lameski, Petre; Zdravevski, Eftim
2020	Aging at Work: A Review of Recent Trends and Future Directions	Barakovic Husic, Jasmina; Melero, Francisco José; Barakovic, Sabina; Lameski, Petre; Zdravevski, Eftim; Maresova, Petra; Krejcar, Ondrej; CHorbev, Ivan; Garcia, Nuno M; Trajkovikj, Vladimir
2020	Air Pollution Prediction with Multi-Modal Data and Deep Neural Networks	Kalajdjieski, Jovan; Zdravevski, Eftim; Corizzo, Roberto; Lameski, Petre; Kalajdziski, Slobodan; Pires, Ivan Miguel; Garcia, Nuno M.; Trajkovikj, Vladimir
2020	Analysis of the Results of Heel-Rise Test with Sensors: A Systematic Review	Pires, Ivan Miguel; Ponciano, Vasco; Garcia, Nuno M.; Zdravevski, Eftim
2020	Behavior Models of Emotion-Featured Robots: A Survey	Kirandziska, Vesna; Ackovska, Nevena
2020	Circular Economy for Clothes Using Web and Mobile Technologies—A Systematic Review and a Taxonomy Proposal	Faria, Rui; Lopes, Inês; Pires, Ivan Miguel; Marques, Gonçalo; Fernandes, Solange; Garcia, Nuno M.; Lucas, José; Jevremović, Aleksandar; Zdravevski, Eftim; Trajkovikj, Vladimir
2020	Deep Learning for Feature Extraction in Remote Sensing: A Case-Study of Aerial Scene Classification	Petrovska, Biserka; Zdravevski, Eftim; Lameski, Petre; Corizzo, Roberto; Štajduhar, Ivan; Lerga, Jonatan
2020	Evaluation of Sentiment Analysis in Finance: From Lexicons to Transformers	Mishev, Kostadin; Gjorgjevikj, Ana; Vodenska, Irena; Chitkushev, Lubomir T.; Trajanov, Dimitar
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2020	Fintech and Artificial Intelligence in Finance-Towards a transparent financialindustry"(FinAI) CA19130	Petrovska, Biserka; Atanasova-Pacemska, Tatjana; Corizzo, Roberto; Mignone, Paolo; Lameski, Petre; Zdravevski, Eftim
2020	From Big Data to business analytics: The case study of churn prediction	Zdravevski, Eftim; Lameski, Petre; Apanowicz, Cas; Ślęzak, Dominik
2020	Generalised geometric Brownian motion: Theory and applications to option pricing	Stojkoski, Viktor; Sandev, Trifce; Basnarkov, Lasko; Kocarev, Ljupco; Metzler, Ralf
2020	Health–Related ICT Solutions of Smart Environments for Elderly–Systematic Review	Maresova, Petra; Krejcar, Ondrej; Barakovic, Sabina; Barakovic Husic, Jasmina; Lameski, Petre; Zdravevski, Eftim; CHorbev, Ivan; Trajkovikj, Vladimir
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2020	Identification of Daily Activites and Environments Based on the AdaBoost Method Using Mobile Device Data: A Systematic Review	Ferreira, José M.; Pires, Ivan Miguel; Marques, Gonçalo; Garcia, Nuno M.; Zdravevski, Eftim; Lameski, Petre; Flórez-Revuelta, Francisco; Spinsante, Susanna
2020	Identification of Diseases Based on the Use of Inertial Sensors: A Systematic Review	Ponciano, Vasco; Pires, Ivan Miguel; Ribeiro, Fernando Reinaldo; Marques, Gonçalo; Villasana, Maria Vanessa; Garcia, Nuno M.; Zdravevski, Eftim; Spinsante, Susanna
2020	Improving Human Activity Monitoring by Imputation of Missing Sensory Data: Experimental Study	Pires, Ivan Miguel; Hussain, Faisal; Garcia, Nuno M.; Zdravevski, Eftim
2020	Increasing quality of learning experience using augmented reality educational games	Videnovik, Maja; Trajkovik, Vladimir; Vibeke Kiønig, Linda; Vold, Tone
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2020	Lead–lag relationships in foreign exchange markets	Basnarkov, Lasko; Stojkoski, Viktor; Utkovski, Zoran; Kocarev, Ljupco
2020	Literature on Applied Machine Learning in Metagenomic Classification: A Scoping Review	Tonkovic, Petar; Kalajdziski, Slobodan; Zdravevski, Eftim; Lameski, Petre; Corizzo, Roberto; Pires, Ivan Miguel; Garcia, Nuno M.; Loncar-Turukalo, Tatjana; Trajkovikj, Vladimir
2020	Machine Learning Techniques with ECG and EEG Data: An Exploratory Study	Ponciano, Vasco; Pires, Ivan Miguel; Ribeiro, Fernando Reinaldo; Garcia, Nuno M.; Villasana, María Vanessa; Zdravevski, Eftim; Lameski, Petre
2020	MAKEDONKA: Applied Deep Learning Model for Text-to-Speech Synthesis in Macedonian Language	Mishev, Kostadin; Karovska Ristovska, Aleksandra; Trajanov, Dimitar; Eftimov, Tome; Simjanoska, Monika
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2020	Mobile Computing Technologies for Health and Mobility Assessment: Research Design and Results of the Timed Up and Go Test in Older Adults	Ponciano, Vasco; Pires, Ivan Miguel; Ribeiro, Fernando Reinaldo; Villasana, María Vanessa; Crisóstomo, Rute; Canavarro Teixeira, Maria; Zdravevski, Eftim
2020	Mobile wireless monitoring system for prehospital emergency care	Koceska, Natasa; Komadina, Radko; Simjanoska, Monika; Koteska, Bojana; Strahovnik, Andrej; Jošt, Anton; Maček, Rok; Madevska Bogdanova, Ana; Trajkovikj, Vladimir; Tasič, Jurij Franc; Trontelj, Janez
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2020	Promotion of Healthy Nutrition and Physical Activity Lifestyles for Teenagers: A Systematic Literature Review of The Current Methodologies	Villasana, María Vanessa; Pires, Ivan Miguel; Sá, Juliana; Garcia, Nuno M; Zdravevski, Eftim; CHorbev, Ivan; Lameski, Petre; Flórez-Revuelta, Francisco
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