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Publikacje z zakresu BHP w bazie Web of Science CC_ wydane w 2023 roku, wskaźniki cytowań w 2023 Zapytanie wyszukiwawcze (Topic): occupational safety and health AND Poland

1.Artificial intelligence in the work process. A reflection on the proposed European Union regulations on artificial intelligence from an occupational health and safety perspective
Jarota, M Jul 2023
COMPUTER LAW & SECURITY REVIEW 49
Artificial intelligence (AI) finds increasingly growing applications in the working environ-ment. Its importance has been recognised by the European Parliament and the European Commission, as reflected in the legislation prepared at the European Union level. As the use of AI creates new risks hitherto unknown from an Occupational Health and Safety (OHS) perspective, the question is whether...
1 Citation
77 References

2.Microbial contamination in grocery stores from Portugal and Spain-The neglected indoor environment to be tackled in the scope of the One Health approach
Viegas, C; Gomes, B; (...); Viegas, S

Jun 1 2023SCIENCE OF THE TOTAL ENVIRONMENT 875
Microbial contamination in grocery shops (GS) should be evaluated since food commodities are commonly handled by workers and customers increasing the risk of food contamination and disease transmission. The aim of this study was to evaluate the microbial contamination in Portuguese and Spanish GS with a multi-approach protocol using passive (electrostatic dust cloths and surface swabs) sampling…
1 Citation
77 References

3.Real-Time AI-Driven Fall Detection Method for Occupational Health and Safety
Danilenka, A; Sowinski, P; (...); Paprzycki, M
Oct 2023 ELECTRONICS 12 (20)
Fall accidents in industrial and construction environments require an immediate reaction, to provide first aid. Shortening the time between the fall and the relevant personnel being notified can significantly improve the safety and health of workers. Therefore, in this work, an IoT system for real-time fall detection is proposed, using the ASSIST-IoT reference architecture. Empowered with…
1 Citation
60 References

4.Simple roads to failure, complex paths to success: An evaluation of conditions explaining perceived fit of an organizational occupational health intervention
Roczniewska, M; Tafvelin, S; (...); Sorensen, OH
Jul 2024 APPLIED PSYCHOLOGY-AN INTERNATIONAL REVIEW-PSYCHOLOGIE APPLIQUEE-REVUE INTERNATIONALE 73 (3) , pp.1103-1130
Organizational occupational health interventions (OOHIs) that are perceived by employees as relevant for their workplace are more likely to be implemented successfully, yet little is known about the conditions that produce such perceptions. This study identifies the conditions that create a perception among employees that an intervention fits their organization as well as the conditions…
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80 References

5. Examining the Relative Importance and Association between Safety Leadership Styles and Factors Affecting Organizational Safety Climate
Sankar, SS; Anandh, KS; (...); Szostak, M

Aug 2023 BUILDINGS 13 (8)
This study identifies safety leadership factors affecting construction site safety and organizational safety climate, offering suggestions for adopting optimistic leadership styles and a zero-accident vision. The literature review is done exclusively for identifying factors and improving core knowledge. This study developed a questionnaire to examine the relationships between the organizational…
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60 References

6.Occupational radiation exposure of electrophysiology staff with reproductive potential and during pregnancy: an EHRA survey
Adeliño, R; Malaczynska-Rajpold, K; (...); Chun, JKR
Aug 2 2023 EUROPACE 25 (9)
Aims Electrophysiology (EP) is a growing field in cardiology, with an increasing involvement of young people. Nevertheless, concerns about radiation exposure and its impact on reproduction and pregnancy may discourage the choice of an EP career. The study is aimed at investigating the level of awareness and main sources of concern about the effects of radiation on reproductive potential…
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1 Citation
26 References

7.Frugal Heart Rate Correction Method for Scalable Health and Safety Monitoring in Construction Sites
Sowinski, P; Rachwal, K; (...); Paprzycki, M
Jul 2023 SENSORS 23 (14)
Continuous, real-time monitoring of occupational health and safety in high-risk workplaces such as construction sites can substantially improve the safety of workers. However, introducing such systems in practice is associated with a number of challenges, such as scaling up the solution while keeping its cost low. In this context, this work investigates the use of an off-the-shelf, low-cost…
1 Citation
53 References

8.Amperometric sensor for gaseous H2O2 based on copper redox mediator incorporated electrolyte
Klun, U; Zorko, D; (...); Jovanovski, V
Jun 2023 SENSORS AND ACTUATORS REPORTS 5

The determination of gases and other volatile compounds using electrochemical gas sensors remains a challenge with respect to sensitivity and selectivity. Many real-life situations require fast, sensitive, and yet easy-to-operate sensors for gaseous hydrogen peroxide (H2O2) that can operate at room temperature. Herein, we present an H2O2 gas sensor comprising a polyacrylic acid and NaOH…
2 Citations
53 References

9.Application of multiple-criteria decision making methods for construction safety research
Chellappa, V and Ginda, G
Jul 13 2023 PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MANAGEMENT PROCUREMENT AND LAW 177 (3) , pp.127-136
Decision making is critical to the success of safety management in construction projects. Due to the simultaneous evaluation of numerous criteria and objectives, multiple-criteria decision making (MCDM) is essential for decision problem solving. Several MCDM methods are continuously being developed and are progressively used to solve real-world construction safety challenges.
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10.The role of visual management in the organization of safe work in production companies
Furman, J and Malysa, T
Jun 1 2023 PRODUCTION ENGINEERING ARCHIVES 29 (2) , pp.195-200
Workers play a superior role in the production process because they are responsible for its proper functioning (e.g. process efficiency, quality, technical condition of usage machines), and are also responsible for safety at work. The issue of work safety should be a crucial factor in the process of introducing changes in the company. The introduced changes should take into account safe working…
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11.Application of Ecological Momentary Assessment in Studies with Rotation Workers in the Resources and Related Construction Sectors: A Systematic Review
Asare, BYA; Robinson, S; (...); Powell, D
Mar 2023

SAFETY AND HEALTH AT WORK 14 (1) , pp.10-16
Whilst Ecological momentary assessment (EMA) can provide important insights over time and across contexts among rotation workers whose work periods alternate with leave at home, it can also be challenging to implement in the resources and construction sectors. This review aimed to provide a summary of the methodological characteristics of EMA studies assessing health outcomes and…
2 Citations
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12.LITHIUM BATTERIES SAFETY, WIDER PERSPECTIVE
Lukasz, B; Rybakowska, I; (...); Waldman, W
2023 INTERNATIONAL JOURNAL OF OCCUPATIONAL MEDICINE AND ENVIRONMENTAL HEALTH 36 (1) , pp.3-20
Energy production and storage has become a pressing issue in recent decades and its solutions bring new problems. This paper reviews the literature on the human and environmental risks associated with the production, use, and disposal of increasingly common lithium-ion batteries. Popular electronic databases were used for this purpose focused on the period since 2000.
1 Citation
87 References

13.ARTIFICIAL INTELLIGENCE AND EMPLOYEE'S HEALTH - NEW CHALLENGES
Walusiak-Skorupa, J; Kaczmarek, P and Wiszniewska, M
2023 MEDYCYNA PRACY 74 (3) , pp.227-233
Background: The presence of artificial intelligence (AI) in many areas of social life is becoming widespread. The advantages of AI are being observed in medicine, commerce, automobiles, customer service, agriculture and production in factory settings, among others. Workers first encountered robots in the work environment in the 1960s. Since then, intelligent systems have become much more…
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27 References

14.The use of quality management tools to ensure safe working conditions at CO2 laser workstations
Ciecinska, B and Oleksiak, B
Dec 1 2023 PRODUCTION ENGINEERING ARCHIVES 29 (4) , pp.393-400

Dynamic development of various technologies replacing existing, difficult or in various ways arduous, is the reason for replacing equipment with modern ones. New equipment may be associated with a different power supply, a different way that the construction materials are processed or the tools used, than the previous one. Then arises a need to re-examine whether the working conditions at…
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15.Carbon Nanotubes and Graphene Materials as Xenobiotics in Living Systems: Is There a Consensus on Their Safety?
Gendron, D; Bubak, G and Gagnon, C
Dec 2023 JOURNAL OF XENOBIOTICS 13 (4) , pp.740-760
Carbon nanotubes and graphene are two types of nanomaterials that have unique properties and potential applications in various fields, including biomedicine, energy storage, and gas sensing. However, there is still a debate about the safety of these materials, and there is yet to be a complete consensus on their potential risks to human health and the environment.
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16.Relative Risk (RR) Analysis and Prediction as Part of Assessing Occupational Safety and Determining Priorities for Action in Occupational Health and Safety in the Construction Industry in Poland
Malysa, T
May 17 2023 BUILDINGS 13 (5)
Risks are associated with every human activity. Accidental events are recorded in enterprises in the construction industry every day. Those events differ among themselves in the severity of consequences and the number of victims. It is important to reduce them effectively based on the conclusions of accident rate analyses. The study outlines the process of relative risk (RR) analysis and…
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17.The platform discount: Addressing unpaid work as a structural feature of labour platforms
Mangan, D; Muszynski, K and Pulignano, V
Dec 2023 EUROPEAN LABOUR LAW JOURNAL 14 (4) , pp.541-569

Digital labour platforms are able to structure work to limit paid working time, extract fees from workers to access labour, and shift costs associated with occupational safety and health (OSH) compliance onto platform workers. We call this unpaid work the 'platform discount'. Unpaid labour is embedded within platforms' competitive strategies as platforms operate with labour oversupply while…
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65 References

18.Sports-related injuries sustained by officers of the State Fire Service on duty - nationwide 7-year follow-up
Dudzinski, L; Panczyk, M; (...); Milczarczyk, T
Jul 7 2023 FRONTIERS IN PUBLIC HEALTH 11
AimThe accident rate in the State Fire Service from 2015 to 2021 related to sports activities was analyzed in relation to the regions of the country per year. Materials and methodsThe study included analysis of data from the SFS Headquarters - Department for Occupational Health and Safety and Preventive Health. Data collected from across the country in the form of an annual analysis of…
1 Citation
34 References

19.Emissions of Volatile Compounds and Solids during Additive Manufacturing by the FFF Method
Dostatni, E; Osinski, F and Karwasz, A
May 23 2023 APPLIED SCIENCES-BASEL 13 (11)
The rapid development of the additive manufacturing industry is a great opportunity both for the development of the industry in the context of rapid prototyping and for hobbyists using 3D printers at home. At the same time, such a rapid technological development poses a significant challenge for specialists dealing with sources of pollutant emissions to the environment as well as for…
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31 References

20. Assessment of selected psychosocial risk factors: stress, job burnout, and bullying in the case of medical staff as part of workplace ergonomics during the COVID-19 pandemic-A prospective pilot study
Rypicz, L; Witczak, I; (...); Kolcz, A
May 4 2023 FRONTIERS IN PUBLIC HEALTH 11

BackgroundThe purpose of the pilot study conducted by the authors was to assess occupational risk in selected areas of psychosocial risk factors among health professions in a pilot study. Medical staff working in the healthcare sector experience stress, job burnout and bullying on a daily basis. Monitoring occupational risks in the above areas provides an opportunity to take appropriate prevent…
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21.HEALTH AND SAFETY CHALLENGES IN MEDICAL ENTITIES AND THE POWERS OF THE SOCIAL LABOR INSPECTOR: LESSONS RELATED TO THE COVID-19 OUTBREAK IN THE CONTEXT OF INTERNAL CONTROL OF EMPLOYEE HEALTH AND SAFETY
Jarota, M
2023 MEDYCYNA PRACY-WORKERS HEALTH AND SAFETY 74 (4) , pp.301-316
Employees in the medical profession in a situation where the life of a patient is at risk cannot refrain from working due to unsafe working conditions. Therefore, enforcing the right to safe and hygienic working conditions is particularly important so that employees can provide health care services without additional burdens. The purpose of the study is to determine how the social labour…
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44 References

22.The psychosocial burden and stress coping strategies among seafarers
Szafran-Dobrowolska, J; Grubman-Nowak, M; (...); Jezewska, M
2023 INTERNATIONAL MARITIME HEALTH 74 (2) , pp.122-128
Background: The seafarers' professional group is one of the most numerous in the world. According to the statistics of the European Maritime Safety Agency (2020), there are approximately 280,000 people employed at sea in the European Union. The specific work environment on the ship (climatic, physical, chemical, psychological factors, etc.) is related to experiencing long-term stress.
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23.ANALYSIS OF THE PREVALENCE OF ANTI-SARS-CoV-2 ANTIBODIES IN GROUPS OF MEDICAL AND NON-MEDICAL PROFESSIONS
Biernacka, P; Piekarska, A and Berkan-kawinska, A

2023 INTERNATIONAL JOURNAL OF OCCUPATIONAL MEDICINE AND ENVIRONMENTAL HEALTH 36 (5) , pp.643-655
Objectives: The assessment of the prevalence of anti-SARS-CoV-2 antibodies in various professional groups is very important. Hence, the purpose of the following study was to analyze the seroprevalence of anti-SARS-CoV-2 antibodies among employees performing both medical and nonmedical professions before the launch of SARS-CoV-2 vaccination. Material and Methods…
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24.THE INFLUENCE OF SILVER NANOPARTICLES ON THE PROCESS OF EPITHELIAL TRANSITION IN THE CONTEXT OF CANCER METASTASES
Matysiak-Kucharek, M; Sawicki, K; (...); Kapka-Skrzypczak, L
2023 MEDYCYNA PRACY-WORKERS HEALTH AND SAFETY 74 (6) , pp.541-548
Background: Exposure to nanoparticles (NPs) can occur in a variety of occupational situations. Ultrafine particles of natural and anthropological origin toxicity has been described in epidemiological studies. Meanwhile, the risks associated with NPs exposure are not comprehensively assessed. A wide spectrum of NPs toxicity has been demonstrated, mainly through the induction of oxidative stress…
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25.COVID-19 CAUSED BY THE SARS- CoV-2 AS AN OCCUPATIONAL DISEASE IN POLAND
Swiatkowska, B; Rybacki, M and Hanke, W
2023 MEDYCYNA PRACY-WORKERS HEALTH AND SAFETY 74 (6) , pp.479-486
Background: The unexpected outbreak of the COVID-19 pandemic has led huge impact on health and safety of employees. Although now the epidemiological situation has improved, but it remains a challenge, especially in light of the emergence of new threats. The aim of the work is to present an epidemiological analysis of data on COVID-19 as an occupational disease in Poland. Material and Methods…
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26.Real Estate Appraisalusing the Liquidation Costmethod - A Case Study
Podwórna, M and Sawicki, M
Sep 1 2023 REAL ESTATE MANAGEMENT AND VALUATION 31 (3) , pp.75-82

A real estate appraiser, using the liquidation cost method of the mixed approach in order to determine the value of real estate, analyzes, e.g. the value of post-demolition materials and the costs of liquidating components. The paper presents the problem of determining the costs of demolition works, which are correlated with the adopted demolition technology, the method of managing waste…
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27.Construction of Half Masks for the Respiratory Tract Protection and the Speech Intelligibility Assessed from the Measured Suppression of Sound
Nowacki, K; Marczak, W; (...); Almásy, L
Aug 2023 APPLIED SCIENCES-BASEL 13 (15)
Half masks (a.k.a. filtering facepieces, FFP) are personal protective equipment against dust in a work environment. Their filtration efficiency is legally regulated. Occupational safety and health services have not paid enough attention to speech disruption caused by FFPs, even though the latter could impair verbal communication and result in discomfort or increased risk of accidents.
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28.THE PREVALENCE AND DETERMINANTS OF SARS-CoV-2 INFECTIONS AMONG HEALTHCARE WORKERS, RESULTS OF A CROSS-SECTIONAL STUDY IN THE SILESIAN VOIVODESHIP
Wojczyk, M and Kowalska, M
2023 INTERNATIONAL JOURNAL OF OCCUPATIONAL MEDICINE AND ENVIRONMENTAL HEALTH 36 (2) , pp.201-213
Objectives: A significant proportion of healthcare workers (HCWs) had been infected with SARS-CoV-2, which complicated the organization of patient care during the COVID-19 pandemic. However, the exact scale of infection prevalence among the group of HCWs is not known, therefore this study aimed to assess the prevalence of SARS-CoV-2 infection among HCWs in the Silesian voivodeship, Poland…
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29.METHOD FOR THE DETERMINATION OF TETRACHLOROMETHANE, TRICHLOROETHANE, 1,1,2-TRICHLOROETHANE, AND TETRACHLOROETHENE IN THE AIR AT WORKPLACES
Kowalska, J and Szewczynska, M
Mar 2023 (Early Access) MEDYCYNA PRACY
Background: Chemical substances from the halogenated aliphatic hydrocarbons group are used in industry, e.g., as intermediates in syntheses, auxiliaries, solvents in degreasing processes, and laboratory tests. Due to their harmful effects on human health and the environment, their use is often banned or limited to certain industrial uses only. Material and Methods: A sorbent tube…
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14 References

30.CAUSES OF ACOUSTIC TRAUMA AMONG POLISH STATE FIRE SERVICE OFFICERS: A REVIEW OF INCIDENTS IN 2015-2022
Dudzinski, L; Czyzewski, L; (...); Milczarczyk, T
2023 ACTA NEUROPSYCHOLOGICA 21 (2) , pp.117-124
Background Material/ Methods: Results: Conclusions: SUMMARY A rare type of risk associated with firefighting activities and affecting the central nervous system (CNS) is acoustic trauma. The main causes of acoustic trauma in professional firefighters include long-term exposure to noise from fire en-gine sirens, emergency call alarms in the fire stations (fire halls), and the operation of…
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19 References

31.Occupational Health and Safety and Challenges Posed by Protecting the Health of Employees Working with Nanomaterials: How to Draft Laws So That the Obligation to Ensure Safe Working Conditions Is Performed Properly?
Jarota, M
2023 KRYTYKA PRAWA-NIEZALEZNE STUDIA NAD PRAWEM 15 (3) , pp.119-146
The intense development of nanotechnology in recent years poses the basic question about the safety of employees who work with nanomaterials. The study attempts to determine how employers should regulate health protection when working with nanoparticles. Employers should be aware of the importance of the risks associated with nanotechnology and their responsibility for worker health and safety.
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32.PERCEPTION OF THE ACTIVITY-BASED WORKING CONCEPT BY BANK'S EMPLOYEES AS AWORKING CONDITION
Jasinska-Slowik, MJ; Tarkowski, B and Zalewska-Janowska, A
2023 INTERNATIONAL JOURNAL OF OCCUPATIONAL MEDICINE AND ENVIRONMENTAL HEALTH 36 (4) , pp.526-540
Objectives: The aim of the research was to explore the potential of the concept of work in the activity-based working (ABW) environment, including its impact on stress, back pain and psychomedical parameters of employees subjected to and not subject to relocation. Material and Methods: The data of 396 employees of both sexes were analyzed. The study used standardized psychological questionnaire
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31 References

33. Occupational diseases forecasting for Polish coal mining based on Prophet algorithm
Kashpruk, N; Kraszewska, M; (...); Kapusta, M
27th International Conference on Methods and Models in Automation and Robotics (MMAR)
2023 27TH INTERNATIONAL CONFERENCE ON METHODS AND MODELS IN AUTOMATION AND ROBOTICS, MMAR , pp.246-250
In paper, forecasting models using Prophet algorithm for occupational diseases incidence rate for Polish coal mining are presented. Prior to this, data is analyzed and approach for building forecasting models in Prophet is described in details. Forecasting models for occupational diseases incidence rate are revealed, respectively for all sectors in Poland, mining industry and finally for coal…
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34.SOCIAL AND DEMOGRAPHIC FACTORS IN SHAPING THE PERCEPTION OF WORK AS A SOURCE OF HEALTH AND SAFETY RISKS: A STUDY ON ADULT EUROPEANS
Roszko-Wójtowicz, E; Boczkowska, K and Niziolek, K
2023 ECONOMICS AND ENVIRONMENT 87 (4)
The aim of this article is to assess the impact of selected social and demographic factors on the perception of European adults regarding their workplace as a health and safety risk. This aligns with the sustainable development concept, which emphasizes labor rights protection and a safe

working environment. Sustainable work is defined as work that doesn't compromise employees' physical…
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106 References

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Computer Law and Security Review, 49, 105825
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2.Unmanned aerial vehicles in the construction industry - Towards a protocol for safe preparation and flight of drones
International Journal of Intelligent Unmanned Systems, 11(2), pp. 296–316
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3.Improvement of the occupational risk management process in the work safety system of the enterprise
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4.Long-Acting Buprenorphine Formulations as a New Strategy for the Treatment of Opioid Use Disorder
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11.Which Aspects of Work Safety Satisfaction Are Important to Mental Health of Healthcare Workers during COVID-19 Pandemic in Poland?
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13.Frugal Heart Rate Correction Method for Scalable Health and Safety Monitoring in Construction Sites
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14.Amperometric sensor for gaseous H2O2 based on copper redox mediator incorporated electrolyte
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16.Application of Ecological Momentary Assessment in Studies with Rotation Workers in the Resources and Related Construction Sectors: A Systematic Review
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18.ARTIFICIAL INTELLIGENCE AND EMPLOYEE'S HEALTH – NEW CHALLENGES [SZTUCZNA INTELIGENCJA A ZDROWIE PRACOWNIKA – NOWE WYZWANIA]
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26.Emissions of Volatile Compounds and Solids during Additive Manufacturing by the FFF Method
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30.HEALTH AND SAFETY CHALLENGES IN MEDICAL ENTITIES AND THE POWERS OF THE SOCIAL LABOR INSPECTOR: LESSONS RELATED TO THE COVID-19 OUTBREAK IN THE CONTEXT OF INTERNAL CONTROL OF EMPLOYEE HEALTH AND SAFETY [WYZWANIA W ZAKRESIE BHP W PODMIOTACH LECZNICZYCH A UPRAWNIENIA SPOŁECZNEGO INSPEKTORA PRACY: WNIOSKI ZWIĄZANE Z EPIDEMIĄ COVID-19 W KONTEKŚCIE KONTROLI WEWNĘTRZNEJ BEZPIECZEŃSTWA I HIGIENY PRACY PRACOWNIKÓW]
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