Publikacje naukowe z zakresu BHP indeksowane w bazach Web of Science CC, Scopus – wskaźniki bibliometryczne i altmetryczne, publikacje Open Access w 2025

Uzyskane wyniki wyszukiwań na poszczególne zapytania wyszukiwawcze. Wyniki zawżone do artykułów (Articles) i publikacji przeglądowych (Reviews) opublikowanych w 2025. Dla każdego wyniku zaprezentowano 20 publikacji – pierwszych na liście wyników

- **najwyższych cytowaniach**
- **z jednym cytowaniem**
- **bez cytowań.**

Poza wskaźnikami cytowań w bazach wykorzytywane są inne źródła danych altmetrycznych (m.in.: pobrania, przeczytanie, post w mediach społecznościowych)

W bazie Web of Science CC – są dostępne informacje o liczbie użyć (use in Web of Science).:

Use in Web of Science

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Jest to liczba przypadków, w których w ciągu ostatnich 180 dni uzyskano dostęp do pełnego tekstu rekordu lub zapisano rekord. Liczba ta może się zmieniać w miarę zbliżania się końca ustalonego okresu.

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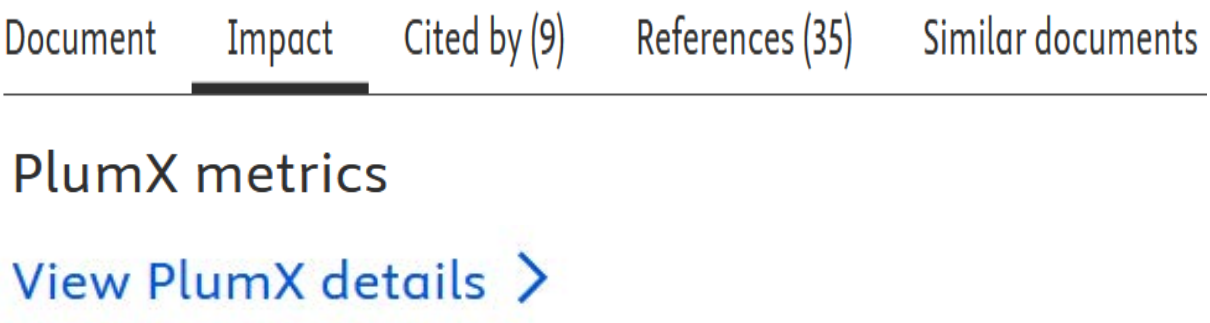


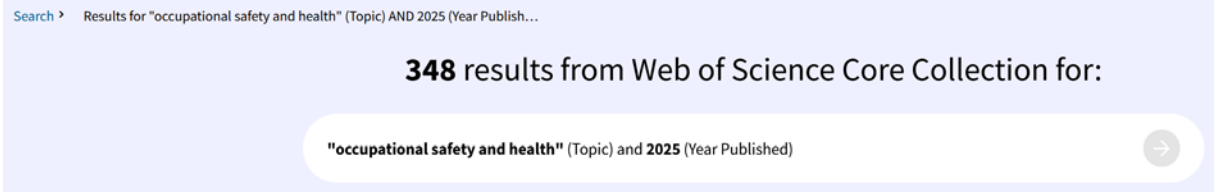
Wskaźniki PlumX

w serwisie Scopus śledzą pięć kluczowych obszarów — wykorzystanie, przechwytywanie, wzmianki, media społecznościowe i cytowania — oferując szerszy obraz wpływu badań naukowych wykraczający poza tradycyjne cytowania. Zapewniają one wgląd w czasie rzeczywistym w sposób, w jaki badania są wykorzystywane i udostępniane na różnych platformach.

Web of Science CC
Zapytania wyszukiwawcze: „occupational safety and health”
Afiliacja: All countries_2025

Zapytanie wyszukiwawcze: “occupational safety and health” (BHP)_WoS CC_2025

Data dostępu do danych: 24.10.2025.



Poniżej informacja o artykułach - 20 pierwszych w wynikach, które otrzymały najwięcej cytowań, dla wszystkich afiliacji (All countries), w tym publikacje Early Access (bez zakończonego procesy wydawniczego). Matadane i abstrakty pochodzą z bazy WoS CC (Clarivate Analytics).

1.A framework to integrate virtual reality into international standard safety trainings

Abotaleb, IS; Elhakim, Y; (...); Soliman, M

Mar 28 2025

ENGINEERING CONSTRUCTION AND ARCHITECTURAL MANAGEMENT

32 (4) , pp.2320-2341

PurposeThe objective of this research is to propose an immersive framework that integrates virtual reality (VR) technology with directives international safety training certification bodies to enhance construction safety training, which eventually leads to safer construction sites.Design/methodology/approachThe adopted methodology combines expert insights and experimentation to maximize the eff

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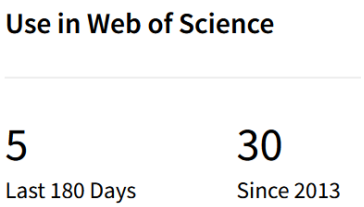
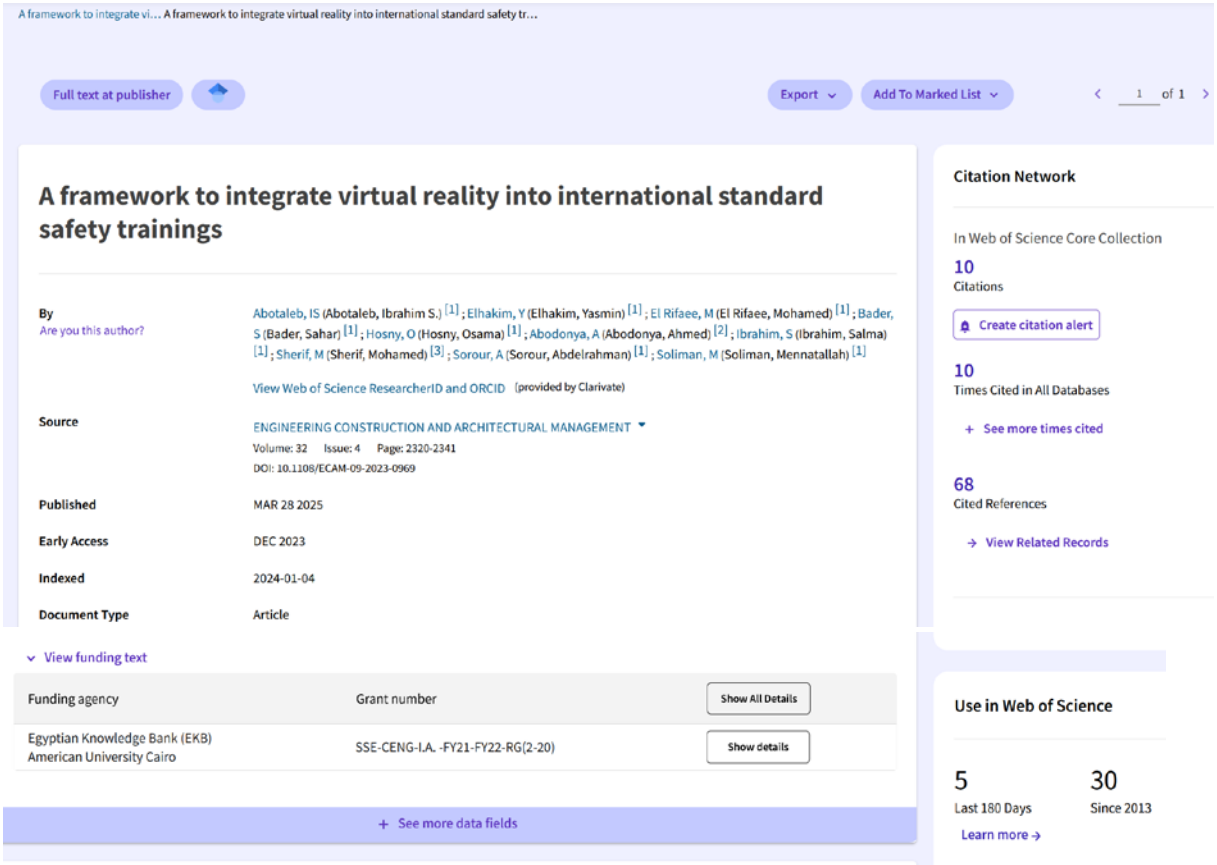
10 Citations

68 References

Related records



W celu zilustrowania – gdzie w rekordzie w WoS CC jest informacja o Usage in WoS, poniżej zamieszczono fragment rekordu z widocznym **Usage in Web of Science:**



2.**The Psychosocial Hierarchy of Controls: Effectively Reducing Psychosocial Hazards at Work**

Kjaergaard, A; Rudolf, EM; (...); Ajslev, JZN

Mar 2025

AMERICAN JOURNAL OF INDUSTRIAL MEDICINE

68 (3) , pp.250-263

BackgroundPsychosocial hazards in the workplace contribute to mental disorders, cardiovascular diseases, and musculoskeletal ill-health. The Hierarchy of Controls applied to NIOSH Total Worker Health (TWH HOC) aims to mitigate these hazards through effective interventions. This study proposes a revision of the model resulting in a HOC for psychosocial hazards (P-HOC) and explores its applicatio

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7 Citations

36 References

Related records

3.**Enhancing Worker Safety Behaviors Through the Job Demands-Resources Approach: Insights from the Korean Construction Sector**
Seo, HJ; Rhee, SY and Yoon, YG
Feb 2025
BUILDINGS 15 (3)
(1) Background: The construction industry faces high occupational accident rates due to complex work environments and physical hazards, significantly impacting worker safety and well-being. Drawing on the Conservation of Resources (COR) theory and the Job Demands-Resources (JD-R) model, this study addresses the challenges posed by the multi-level subcontracting structure in the Korean construct
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5 Citations
43 References
Related records

Use in Web of Science

4	13
Last 180 Days	Since 2013

4.**Highly sensitive, responsive, and selective iodine gas sensor fabricated using AgI-functionalized graphene**
Chen, Z; Lei, Q; (...); Han, Y
Jan 30 2025
NATURE COMMUNICATIONS
16 (1)
Radioactive molecular iodine (I2) is a critical volatile pollutant generated in nuclear energy applications, necessitating sensors that rapidly and selectively detect low concentrations of I2 vapor to protect human health and the environment. In this study, we design and prepare a three-component sensing material comprising reduced graphene oxide (rGO) as the substrate, silver iodide (AgI) part
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5 Citations
41 References
Related records

Use in Web of Science

45	75
Last 180 Days	Since 2013

5.**The NIOSH Worker Well-Being Questionnaire (WellBQ): A Psychometric Assessment with the Early Childhood Education Workforce**
Powers, JN; Farewell, CV; (...); Puma, JE
Mar 2025
EARLY CHILDHOOD EDUCATION JOURNAL
53 (3) , pp.799-807
The well-being of the early childhood education (ECE) workforce is of great importance to the field, yet existing measures to capture well-being are varied in conceptual and contextual constructs. There is a need to measure well-being among ECE employees holistically and to be able to compare to other industries. The National Institute for Occupational Safety and Health Worker Well-being Questi
Full Text at Publisher
5 Citations
40 References
Related records

Use in Web of Science

3	12
Last 180 Days	Since 2013

6.**Integrated Noise Management Strategies in Industrial Environments: A Framework for Occupational Safety, Health, and Productivity**
Chis, TV; Cioca, LI; (...); Barsan, VA
Feb 2025
SUSTAINABILITY
17 (3)
Noise exposure in rubber manufacturing poses significant risks to worker health, safety, and productivity. This study explores these challenges via an integrated approach that combines task-based and group noise measurements as required by Directive 2003/10/EC, noise mapping, real-time monitoring, and worker feedback. Noise levels were found to range from 81 to 89 dB(A) across worker groups, wi
Free Full Text from Publisher
4 Citations
51 References
Related records

Use in Web of Science

5	13
Last 180 Days	Since 2013

7.**Digital technologies in nursing: An umbrella review**
Schlicht, L; Wendsche, J; (...); Rosler, U
Jan 2025
INTERNATIONAL JOURNAL OF NURSING STUDIES
161
Background: Digital technologies promise to reduce nurses' workload and increase quality of care. However, considering the plethora of single and review studies published to date, maintaining a comprehensive overview of digital technologies' impact on nursing and effectively utilizing available evidence is challenging. Objective: This review aims (i) to map published reviews on digital nursing
Free Full Text From Publisher
4 Citations
256 References
Related records

Use in Web of Science

7	28
Last 180 Days	Since 2013

8.**Factors influencing safety behaviours of construction tradesmen**
Afuye, OO; Oladimeji, O; (...); Haddad, AN
Mar 12 2025
INTERNATIONAL JOURNAL OF CONSTRUCTION MANAGEMENT
25 (4) , pp.375-384
The Occupational Safety and Health Administration (OSHA) observed that 90% of fatalities arise from the familiar 'fatal four'- falls, electrocutions, stuck-bys and caught -in between. American Industrial Hygiene Association (AIHA) also fingered other four hazards due to exposures on construction jobs not paid attention to yet far more construction workers suffer chronic injuries or illness. The
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4 Citations
58 References
Related records

Use in Web of Science

7	28
Last 180 Days	Since 2013

9.**Association Between Shift Working and Brain Morphometric Changes in Workers: A Voxel-wise Comparison**

Choi, JY; Kim, S; (...); Lee, W

Jun 2025

SAFETY AND HEALTH AT WORK

16 (2) , pp.236-242

Objective: There is abundant evidence from observational studies linking various health problems to shift work, but there is a lack of brain-based neurological evidence. Therefore, we examined morphometric changes on brain magnetic resonance imaging (MRI) between shift and non-shift workers. Methods: A total 111 healthy workers participated in this study and underwent brain MRI, with the analys

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3 Citations

39 References

Related records

Use in Web of Science

1	1
Last 180 Days	Since 2013

10.**Work Exposome and Related Disorders of Firefighters: An Overview of Systematized Reviews**

Descatha, A; Dousseau, H; (...); Fadel, M

Jun 2025

SAFETY AND HEALTH AT WORK

16 (2) , pp.145-155

Introduction: Firefighters experience many exposures associated with negative health outcomes. Because of this, there are many studies on the subject. Our objective here was to conduct an umbrella review of systematized reviews to identify firefighting activities and related exposures associated with negative health outcomes. Methods: A comprehensive search of the PubMed, Web of Science, and Sc

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3 Citations

69 References

Related records

Use in Web of Science

6	6
Last 180 Days	Since 2013

11.**Data-Driven Analysis of Construction Safety Dynamics: Regulatory Frameworks, Evolutionary Patterns, and Technological Innovations**
Olimat, H; Alwashah, Z; (...); Liu, HX
May 16 2025
BUILDINGS
15 (10)
Construction remains one of the most hazardous industries, consistently reporting high rates of workplace injuries and fatalities. Despite advancements in safety regulations and technologies, significant risks persist due to hazardous tasks, including working at heights, operating heavy machinery, and exposure to harmful materials. The establishment of the Occupational Safety and Health Adminis
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3 Citations
118 References
Related records

Use in Web of Science

12	12
Last 180 Days	Since 2013

12.**Algorithmic management and occupational health: A comparative case study of organizational practices in logistics**
Nilsson, KH; Matilla-Santander, N; (...); Håkansta, C
Jul 2025
SAFETY SCIENCE
187
Algorithmic Management (AM), which refers to technologies that use algorithms to oversee and direct workers, is increasingly being introduced across various sectors and workplaces. While previous research has focused on AM's impact on job quality in platform work, its effects on worker well-being in non-platform workplaces remain underexplored. This study seeks to deepen our understanding of th
Free Full Text From Publisher
3 Citations
91 References
Related records

Use in Web of Science

11
Last 180 Days

13
Since 2013

13.**The single machine scheduling problem with bio-mathematical fatigue constraints**

Wang, ZT; Deng, TH; (...); Guo, H

Aug 3 2025

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH

63 (15) , pp.5649-5670

Despite the adverse impacts of occupational fatigue such as accidents and injuries in the manufacturing industry, it has not been systematically examined in the literature on production scheduling. In this paper, we integrate the classic bio-mathematical fatigue prediction model from the brain science literature into the simple single machine scheduling problem with sequence-dependent setup tim

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3 Citations

45 References

Related records

Use in Web of Science

19
Last 180 Days

29
Since 2013

14.**Furthering decent work by expanding the role of occupational safety and health**

Schulte, PA; Pot, FD; (...); Violante, FS

Feb 2025

WORK-A JOURNAL OF PREVENTION ASSESSMENT & REHABILITATION

80 (2) , pp.680-690

BACKGROUND: The International Labour Organization (ILO) and the United Nations (UN) have promoted the concept of decent work as a Sustainable Development Goal for 2030 to address critical global problems. Occupational safety and health (OSH) are components of decent work, primarily through the ILO social protection objective of the goal, and are linked to various other objectives.OBJECTIVE: Thi

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3 Citations

76 References
Related records

Use in Web of Science

4	9
Last 180 Days	Since 2013

15.**The SAM-Krom biomonitoring study shows occupational exposure to hexavalent chromium and increased genotoxicity in Denmark**
Saber, AT; Levin, M; (...); Vogel, U
Mar 2025
INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH
264
Background: Hexavalent chromium (Cr(VI)) is a carcinogen. Exposure to Cr(VI) may occur in different industrial processes such as chrome plating and stainless steel welding. The aim of this study was to assess occupational exposure to Cr(VI) in Denmark. Methods: This cross-sectional study included 28 workers and 8 apprentices with potential Cr(VI) exposure and 24 within company controls, all rec
Free Full Text From Publisher
3 Citations
43 References
Related records

Use in Web of Science

2	3
Last 180 Days	Since 2013

16.**Hazardous exposures and engineering controls in the landscaping services industry**
Alexander, BM; Graydon, PS; (...); Beamer, BR
Mar 4 2025
JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL HYGIENE
22 (3) , pp.189-202
Landscapers are exposed to noise, carbon monoxide (CO), respirable dust, and respirable crystalline silica (RCS) generated from the tools they use. Although engineering controls are available to reduce these exposures, no previous study has evaluated chronic exposures to landscapers in different work settings and compared exposures from landscaping tools with and without engineering controls. T
Full Text at Publisher
3 Citations

35 References
Related records

Use in Web of Science

4	7
Last 180 Days	Since 2013

17.**Caring for the Caregiver: Work Mistreatment and Well-Being Among Early Childhood Education Staff in Colorado**
Hagan-Haynes, K; Mccarthy, V; (...); Farewell, C
Apr 2025
EARLY CHILDHOOD EDUCATION JOURNAL
53 (4) , pp.1095-1105
Experiences of workplace mistreatment are associated with poor physical and mental health outcomes. Workplace mistreatment among early childhood education workers is underexplored in the United States. The National Institute for Occupational Safety and Health's Worker Well-Being Questionnaire was used to assess the extent and types of workplace mistreatment among 332 early childhood education s
Full Text at Publisher Free Submitted Article From Repository
3 Citations
69 References
Related records

Use in Web of Science

0	6
Last 180 Days	Since 2013

18.**Structural and Quantitative Analysis of Polyfluoroalkyl Substances (PFASs) and Para-Phenylenediamines (PPDs) by Direct Analysis in Real Time Ion Mobility Mass Spectrometry (DART-IM-MS)**
Bochenek, C; Edwards, J; (...); Wesdemiotis, C
Jun 30 2025
MOLECULES
30 (13)
Polyfluoroalkyl substances (PFASs) and para-phenylenediamines (PPDs) are emerging classes of anthropogenic contaminants that are environmentally persistent (most often found in ground and surface water sources), bioaccumulative, and harmful to human health. These chemicals are currently regulated in the US by the

Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), and
Free Full Text from Publisher
2 Citations
52 References
Related records

Use in Web of Science

3	3
Last 180 Days	Since 2013

19.**Noise-Induced Hearing Loss in Orthopaedic Surgery: A Review Article**
Gilreath, N; Galambas, A; (...); Cohen, E
Jun 2025
JOURNAL OF ARTHROPLASTY
40 (6) , pp.1636-1642
There are many sources of noise production in the operating room, including conversations among the surgical team, background music, electric monitors and alarms, surgical power tools, surgical instrument clattering and hammering, and suction devices. These sources introduce occupational hazards by producing damaging noise levels that exceed noise exposure level guidelines set by the National I
Full Text at Publisher
2 Citations
44 References
Related records

Use in Web of Science

2	2
Last 180 Days	Since 2013

20.**Integrating 3D photogrammetry and game engine for construction safety training**
Zaman, AAU; Abdelaty, A; (...); Marzouk, M
Apr 2025 (Early Access)
BUILT ENVIRONMENT PROJECT AND ASSET MANAGEMENT
PurposeDespite ongoing safety efforts, construction sites remain some of the most hazardous workplaces. This study introduces an innovative occupational safety and health administration (OSHA) training approach by creating a realistic virtual

construction environment using unmanned aerial vehicle (UAV) imagery and a game engine. Integrating OSHA regulations makes safety instructions more effect
Full Text at Publisher
2 Citations
59 References
Related records

Use in Web of Science

1	1
Last 180 Days	Since 2013

WoS CC_„occupational safety and health”
_All countries_2025

Poniżej informacja o artykułach - 20 pierwszych w wynikach, które otrzymały jedno cytowanie, dla wszystkich afiliacji (All countries), w tym publikacje Early Access (bez zakończonego procesy wydawniczego).
Publikcje uzyskały 1 cytowanie

Data dostępu do danych: 24.10.2025.
Matadane i abstrakty pochodzą z bazy WoS CC.

1.Advanced Risk Assessment in Coal Mines: Integrating Fuzzy Logic and Linguistic Variables for Enhanced Hazard Management
Nevskaya, EE; Guskov, MA and Samylovskaya, EE
Dec 2025
INTERNATIONAL JOURNAL OF ENGINEERING 38 (12) , pp.2854-2864
Due to the numerous human casualties and major industrial accidents occurring annually, the issues of occupational safety and health of underground coal mine workers come to the forefront. This article applied an approach to the assessment of production risks based on the principles of fuzzy logic. This method makes it possible to effectively balance decisions in the field of industrial safety
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1 Citation
22 References
Related records

Use in Web of Science

0	0
Last 180 Days	Since 2013

2.Enhancing occupational safety in Construction: Predictive analytics using advanced ensemble machine learning algorithms
Shehadeh, A and Alshboul, O
Nov 15 2025
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE 159
In the construction industry, persistent occupational injury risks demand robust predictive methodologies to identify and mitigate hazards effectively. This study leverages advanced ensemble machine learning algorithms (Ml), Extreme Gradient Boosting (XGBoost), Light Gradient-Boosting Machine (LightGBM), and a Modified Decision Tree (MDT) that evaluated against a comprehensive Occupational Safe
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1 Citation
51 References
Related records

Use in Web of Science

4	4
Last 180 Days	Since 2013

3.Occupational Hazards in Lead-acid Battery Factories in Bangladesh: Assessing Excess Heat, Noise, Chemical Exposures, and Health Impacts on Workers
Das, S; Nath, TC; (...); Adhikari, A
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.289-296
Background: Lead-acid battery (LAB) manufacturing is growing in Bangladesh because of the expanding automotive industry and low lead prices. Although these factories employ a big workforce, the working environment has led to concerns about the possible health risks for employees. This study aimed to address this issue by investigating workplace chemical and physical hazards in three LAB industr
Free Full Text from Publisher
1 Citation
26 References

Related records

Use in Web of Science

2	2
Last 180 Days	Since 2013

4.Enterprise Characteristics Were Associated With Adherence to a Dialog-based Inspection Practice Aimed at Improving Occupational Safety and Health in Denmark

Jakobsen, ME; Kjærgaard, A; (...); Ajslev, JZN

Sep 2025 SAFETY AND HEALTH AT WORK 16 (3) , pp.297-302

Background: Risks in the psychosocial and ergonomic working environment can be complex and difficult for labor inspectors to uncover. In 2020, authorities implemented a dialog-based inspection practice in order to improve the working environment in all types of Danish enterprises. Methods: The study sample consisted of 3183 enterprises and stemmed from a quasi-experiment, Agreement To Problem-s

Free Full Text from Publisher

1 Citation

30 References

Related records

Use in Web of Science

0	0
Last 180 Days	Since 2013

5.A systematic review of occupational safety and health in modular integrated construction

Sadeghi, H; Cheung, CM; (...); Manu, P

Sep 2025

SAFETY SCIENCE 189

The construction industry is facing increased pressure to enhance efficiency and safety, owing to its high incident rates. Modular integrated construction (MiC) has gained significant attention as a viable means of enhancing the overall performance of the industry. Despite its numerous advantages, MiC presents occupational safety and health (OSH) challenges due to its unique characteristics, li

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1 Citation

179 References

Related records

Use in Web of Science

15
Last 180 Days

15
Since 2013

6.Surfactant-assisted tungsten oxide for enhanced acetone sensing and solar-driven photocatalysis: exploring the role of surfactants
Patil, AP; Patil, SS; (...); Suryavanshi, SS
Aug 1 2025
RSC ADVANCES 15 (34) , pp.27895-27907
Surfactants play a pivotal role in the kinetics of nucleation and accretion of nanoparticles in such a way that they serve as a template for the development of nanostructures, consequently influencing the morphology, dimensions, and other surface properties. Herein, we report the influence of cationic and anionic surfactants (CTAB, SDS, PVP and HMT) on the development of pristine WO3 nanostruct
Free Full Text from Publisher
1 Citation
31 References
Related records

Use in Web of Science

0
Last 180 Days

0
Since 2013

7.Jim Howe [1950-2024] The Safety Professional Who Transformed the Field with Innovative Models for Accident Investigations, Contract Negotiations and International Standards
Dooley, P
Nov 2025
NEW SOLUTIONS-A JOURNAL OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH POLICY
35 (3) , pp.279-282
Jim Howe's contribution to the worker safety movement was enormous. Jim worked in a factory in Chicago, where he was the union safety representative. This was followed by a career with the United Auto Worker health and Safety department. After that, he served as president of Safety Solutions consulting. During his long career, Jim had many accomplishments including collective bargaining victori
Full Text at Publisher

1 Citation
0 References

Use in Web of Science

3 Last 180 Days | 3 Since 2013

8.Relationships between occupational stress and occupational safety and health outcomes amongst construction workers: A meta-analysis of evidence from the past twenty years
Man, SS; Wang, DL; (...); Chan, AHS
Nov 2025
SAFETY SCIENCE
191
Occupational stress (OS), as well as occupational safety and health (OSH) outcomes, amongst construction workers has gained increasing attention in the last several years. Much research has been carried out to explore the relationships between OS and OSH outcomes. However, a study synthesising quantitatively the relationships between OS and OSH outcomes is lacking. This study systematically rev
Full Text at Publisher
1 Citation
100 References
Related records

Use in Web of Science

6 Last 180 Days | 6 Since 2013

9.Deep neural network-based probabilistic classifier of occupational accident types on a construction site in Korea
Kim, T; Lee, M; (...); Yoo, WS
Jul 4 2025
JOURNAL OF ASIAN ARCHITECTURE AND BUILDING ENGINEERING
24 (4) , pp.2763-2772
The number of accidents in the Korean construction industry has been increasing rapidly, reaching about 25,000 every year. Although strong and binding laws and systems have been implemented to reduce accidents in the construction industry, the frequency of accidents is still higher than that of other industries. While existing studies have provided models for predicting occupational accidents,
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1 Citation
32 References
Related records
DANE NIE SĄ DOSTEPNE: 24.10.2025

10.A vision-based approach to assessing worker ergonomics in low-light construction environments
Chen, XY; Yu, YT and Li, ZR
Jul 2025
ADVANCED ENGINEERING INFORMATICS 66
Ergonomic risk assessments have been increasingly adopted in construction projects to protect worker health, prevent accidents, and organize production schedules. Vision-based ergonomic risk assessment methods are widely applied in construction scenarios due to their cost-effectiveness and non-invasive. On low-light construction sites, such as tunnels and nighttime road construction, the risk o
Full Text at Publisher
1 Citation
71 References
Related records

Use in Web of Science

13	13
Last 180 Days	Since 2013

11.Bridging the mercury exposure threshold: Development and application of whole-cell biosensors incorporating biotransformation pathways
Liu, XY; Guo, Y; (...); Hui, CY
Jun 15 2025
ENVIRONMENTAL RESEARCH 275
Mercury is a toxic heavy metal prevalent in the environment, requiring sensitive and comprehensive detection methods to protect public health. Our study introduces transformative whole-cell biosensors with MerA and MerB biotransformation modules in Escherichia coli, enhancing the biosensors' capacity for high-sensitivity detection across a wide range of inorganic and organic mercury (Hg) concen
Full Text at Publisher
1 Citation
37 References
Related records

Use in Web of Science

3	6
Last 180 Days	Since 2013

12.What Activity is the Most Dangerous to Work in? Estimation of the Risk Level of Economic Activities in Ecuador

Gómez-García, AR; Gutierrez-Alvarez, R; (...); García-Arroyo, JA

Jun 2025

SAFETY AND HEALTH AT WORK

16 (2) , pp.172-179

Background: Classifying economic activities into risk levels is an occupational health and safety practice that several countries worldwide observe. It allows government agencies to formulate public policies with occupational risk prevention requirements tailored to each activity's needs. Further, this level of risk directly influences companies' contributions to occupational risk insurers, whe

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1 Citation

56 References

Related records

Use in Web of Science

1	1
Last 180 Days	Since 2013

13.Moderating Effect of Psychosocial Safety Climate on the Association of Job Demands and Job Resources With Psychological Distress Among Japanese Employees: A Cross-sectional Study

Inoue, A; Eguchi, H; (...); Tsutsumi, A

Jun 2025

SAFETY AND HEALTH AT WORK 16 (2) , pp.213-219

Background: We examined the moderating (buffering or amplifying) effect of psychosocial safety climate (PSC) on the association of job demands (psychological demands) and job resources (job control, supervisor support, coworker support, and extrinsic reward) with psychological distress among Japanese employees. Methods: A self-report web-based questionnaire was administered to 2,200 employees (

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1 Citation

43 References
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Use in Web of Science

6	6
Last 180 Days	Since 2013

14.Nonauditory Impacts of Industrial Noise Exposures: A Case Study From a Steel Manufacturing Industry
Sakthivel, R; Kamalakannan, LP; (...); Venugopal, V
Jun 2025
SAFETY AND HEALTH AT WORK 16 (2) , pp.243-248
Background: Excessive workplace noise poses a significant threat to occupational health, impacting both auditory and nonauditory health. This research examined the nonauditory effects of noise on steel workers. Methods: A cross-sectional study of 80 industrial workers exposed to occupational noise was conducted with approval from the institutional ethics board and management. Nonauditory impact
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1 Citation
37 References
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Last 180 Days	Since 2013

15.A bibliometric study on technology usage for occupational safety and health risk assessment in construction industry
Su, XS; Chau, KY; (...); Tang, YM
May 2025 (Early Access)
JOURNAL OF ASIAN ARCHITECTURE AND BUILDING ENGINEERING
The recent research efforts in the use of visual imaging techniques such as artificial intelligence (AI), virtual reality (VR), and the Internet of Things (IoT) provide the opportunity to enhance risk assessment methods. However, our understanding of enabling technologies to enhance construction occupational safety and health is still insufficient. This paper uses bibliometric approaches to com
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1 Citation
74 References
Related records

Use in Web of Science

17	17
Last 180 Days	Since 2013

16.Noise-Induced Hearing Loss in Orthopaedic Surgery: A Review Article
Gilreath, N; Galambas, A; (...); Cohen, E
Jun 2025
JOURNAL OF ARTHROPLASTY 40 (6) , pp.1636-1642
There are many sources of noise production in the operating room, including conversations among the surgical team, background music, electric monitors and alarms, surgical power tools, surgical instrument clattering and hammering, and suction devices. These sources introduce occupational hazards by producing damaging noise levels that exceed noise exposure level guidelines set by the National I
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44 References
Related records

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2	2
Last 180 Days	Since 2013

17.Industrial Robotics and the Future of Work
Howard, J; Murashov, V; (...); Srinivasan, D
Jul 2025
AMERICAN JOURNAL OF INDUSTRIAL MEDICINE 68 (7) , pp.559-572
Starting in the 1970s with robots that were physically isolated from contact with their human co-workers, robots now collaborate with human workers towards a common task goal in a shared workspace. This type of robotic device represents a new era of workplace automation. Industrial robotics is rapidly evolving due to advances in sensor technology, artificial intelligence (AI), wireless communic
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180 References

Related records

Use in Web of Science

13 Last 180 Days

13 Since 2013

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18. A Quantitative Analysis of Work System Factors and Well-Being Among Nurses and Physicians in Rural and Urban Settings During Covid-19 Pandemic

Mazur, LM; Lee, N; (...); Adapa, K

Sep 2025

WORKPLACE HEALTH & SAFETY 73 (9) , pp.440-453

Background: The aim of this study was to assess work system factors and nurse and physician well-being across professionals (nurse vs. physician) and geographic locations (rural vs. urban) during COVID-19 pandemic.Methods: This study invited nurses and physicians within four hospitals from one large healthcare system to participate: one urban academic medical center and three rural hospitals. W

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1 Citation

68 References

Related records

Use in Web of Science

2 Last 180 Days

2 Since 2013

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19. A comparison of fit, heat stress, oxygen saturation and comfort between a novel reusable mask and disposable N95 respirator

Strickling, M; Zarif, N; (...); Wang, Y

Apr 16 2025

PLOS ONE 20 (4)

The effectiveness of face masks in infection prevention depends not only on filtration technology but also on user compliance. However, existing masks suffer from limitations impacting comfort, ease of use, and communication, leading to reduced compliance, especially during prolonged use in healthcare settings. Innovations in mask design are needed to address these issues to ensure effective pr

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1 Citation
32 References
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Last 180 Days	Since 2013

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20. OSHA Injury Data: An Opportunity for Improving Work Injury Prevention
Michaels, D and Wagner, GR
Apr 2025
AMERICAN JOURNAL OF PUBLIC HEALTH 115 (4) , pp.588-595
Millions of US workers are seriously injured on the job annually. These injuries have a significant and deleterious impact on injured workers, their families, and their communities. The limitations of the historical work injury surveillance systems have constrained research into the distribution and determinants of work injuries and efforts to improve allocation of limited injury prevention res
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Poniżej informacja o artykułach - 20 pierwszych w wynikach, które nie zostały zacytowane, dla wszystkich afiliacji (All countries), w tym publikacje Early Access (bez zakończonego procesy wydawniczego)

Data dostępu do danych: 24.10.2025.
Matadane i abstrakty pochodzą z bazy WoS CC.

1.Evaluating the Functionality and Accessibility of TL Sharps Bin among Experienced Dental Surgeons and Medical Practitioners: A Cross-Sectional Study
Shiow, YY; Liszen, T; (...); Ghazali, FMM
2026

PESQUISA BRASILEIRA EM ODONTOPEDIATRIA E CLINICA INTEGRADA 26
Objective: To present the TL Sharps Bin, a newly developed device designed to enhance safety and functionality in healthcare settings, and to evaluate its performance and usability among healthcare professionals.
Material and Methods: A total of 82 participants, comprising 40 dental surgeons and 42 medical doctors, were selected using random sampling. Following a demonstration and hands-o
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2.Collaboration, coordination, and cooperation in occupational health and safety management: perspectives of managers, human resource practitioners, and occupational health and safety representatives
Reineholm, C; Lundqvist, D and Ståhl, C
Dec 31 2025
INTERNATIONAL JOURNAL OF QUALITATIVE STUDIES ON HEALTH AND WELL-BEING 20 (1)
PurposeTo increase knowledge about organizations' OHSM, a specific focus should be placed on how managers, HR practitioners, and OHS representatives conduct OHSM.MethodsA content analysis was carried out based on semi-structured interviews with 18 managers, 6 HR practitioners, and 5 OHS representatives in different industries and occupations.ResultsAll three roles had several OHS assignments. M
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3	3
Last 180 Days	Since 2013

3.A synthetic data-enhanced method for automated 3D pose recognition of construction workers
Fu, YL; Lu, WS; (...); Fang, YH

Dec 15 2025
EXPERT SYSTEMS WITH APPLICATIONS
294
Automated 3D pose recognition of construction workers is instrumental to analyzing their occupational safety and health, productivity and other jobsite behaviors. Existing studies in this field have been confined to highquality training datasets collected from real-life construction jobsites, potentially triggering ethical, privacy, and cost concerns. Inspired by the success of synthetic data i
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Last 180 Days	Since 2013

4.Number of side jobs and self-reported occupational injuries or diseases risk among young workers: a cross-sectional study in Japan
Mori, T; Nagata, T; (...); Mori, K
Dec 2025
SAFETY SCIENCE 192
As side jobs become increasingly common worldwide, concerns are growing about their potential impacts on occupational safety and health. However, few studies have examined the association between engaging in side jobs and occupational injuries or diseases in the main job, the number of side jobs, or how this association differs across age groups, particularly among younger workers. We conducted
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Last 180 Days	Since 2013

5.Multimodal data fusion for ergonomic assessment of construction workers in visually obstructed environments
Chen, XY; Yu, YT; (...); Hu, ZZ
Nov 2025

AUTOMATION IN CONSTRUCTION 179

Work-related musculoskeletal disorders are the leading cause of nonfatal injuries in the construction industry. Ergonomic assessment methods can effectively prevent these disorders. Vision-based ergonomic risk assessment methods are widely applied in construction sites due to their cost-effectiveness and non-invasiveness. However, existing vision-based methods often face challenges in accuratel

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68 References

Related records

Use in Web of Science

3	3
Last 180 Days	Since 2013

6.Social trust and workplace safety

Chen, XY and Tong, JR

Nov 2025

FINANCE RESEARCH LETTERS 85

This paper investigates the impact of social trust on workplace safety. Using the establishmentlevel data compiled by Occupational Safety and Health Administration (OSHA), we find a negative relation between social trust and workplace injury rates. Our results are robust to removing the influence of regional factors, employing an entropy-balanced sample, and adopting various model specification

Full Text at Publisher

37 References

Related records

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6	6
Last 180 Days	Since 2013

7.Quantitative evaluation of attention during sustained heat exposure: An fNIRS study

Zhu, H; Wang, YC; (...); Hu, ST

Nov 1 2025

BUILDING AND ENVIRONMENT 285

With the intensification of global warming, extreme heat events such as heatwaves are becoming more frequent and severe, posing significant risks to

the occupational safety and health of workers, particularly mental-demanding workers. Attentional decline during heat exposure is a major contributor to these risks. However, most prior studies on attention under sustained heat exposure have largel

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79

References

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9	9
Last 180 Days	Since 2013

8.A Systematic Review of Mental States and Safety Performance of Construction Workers

Zhou, H; Chan, APC; (...); Yi, W

Oct 1 2025

JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT

151 (10)

The mental states of construction workers are recognized as having a significant impact on their safety performance, which has attracted the attention of researchers and practitioners. However, existing studies on the mental states of construction workers are fragmented and lack a comprehensive understanding of the key concepts and paths that affect workers' safety performance. This paper syste

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168 References

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11	11
Last 180 Days	Since 2013

9.On-farm observations of socioenvironmental impacts of *Humulus lupulus* L. cultivation in Brazil

Viriato, V; Rodrigues, GS; (...); Bonfim, FPG

Sep 28 2025

AGRONOMY JOURNAL 117 (5)

Hops (Humulus lupulus L.) have been cultivated in Brazil, the world's third-largest beer producer, to meet the growing demand of its expanding brewing industry. Despite advances in agricultural practices, research on the sustainability of tropicalizing hop production remains limited. This study evaluates the social and environmental impacts of hop production in 10 reference farms across the Bra

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41 References

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Last 180 Days	Since 2013

10.Safety culture maturity models in occupational safety and health: An updated scoping review

Curti, S; Gallo, M; (...); De Merich, D

Dec 2025

SAFETY SCIENCE 192

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44 References

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Last 180 Days	Since 2013

11.Do Occupational Safety and Health Direct Investment Policies Affect Firm Survival?

Marrocco, A; Castaldo, A and Forti, M

Sep 2025 (Early Access)

ITALIAN ECONOMIC JOURNAL

Using a unique dataset provided by the Italian National Institute for Insurance against Accidents at Work (Inail), this study investigates whether Inail's 2013 initiative-designed to promote fixed investments in safer assets-has an indirect impact on firm survival. By subsidizing investments aimed at replacing outdated machinery or automating manual processes, the policy plausibly fosters proce

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61 References

Related records

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Last 180 Days	Since 2013

12.Digital applications in occupational healthcare. A literature overview
Holzgräwe-Eichmann, J; Suraj, S; (...); Mache, S
Sep 2025 (Early Access)
ZENTRALBLATT FUR ARBEITSMEDIZIN ARBEITSSCHUTZ UND ERGONOMIE
Background. Digital services can be a perspective in occupational healthcare to avoid potential underuse; however, there is no overview of digital applications already in use in occupational medicine. The aim of this article is to record digital applications in selected areas of occupational medical care and to provide an overview of the current state of research on their use. Method. The
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52 References
Related records

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13.Exploring a Multimodal Conversational Agent for Construction Site Safety: A Low-Code Approach to Hazard Detection and Compliance Assessment
de Marco, G; Niederwieser, E and Siegele, D
Sep 16 2025
BUILDINGS 15 (18)
This paper discusses the viability of using a low-code multimodal large language model agent with computer vision functionality to support occupational safety and health evaluations on construction sites. The central hypothesis aims to verify that these systems can provide reliable answers, as evaluated against a ground truth review, including the identification of high-risk dangers. A conversa
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14. **Development and Application of Standard Codes for the National Exposure Surveillance System Utilizing Korea's Nationwide Exposure Database**
Choi, S; Park, JH; (...); Seo, H
Sep 2025
SAFETY AND HEALTH AT WORK
16 (3) , pp.361-370
Background: The Work Environment Measurement Database (WEMD) is a valuable system for occupational exposure surveillance. However, its use is limited due to the lack of proper standardization of exposure-related variables. Hence, we developed a new standard process classification (SPC), standard occupation classification (SOC), and exposure condition category (ECOC) codes to establish an exposu
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15. **Ineffectiveness of Water Mist Spray to the Upper Body of Healthy Adults in Suppressing Core Temperature Under Windless Environment**
Fukuzawa, K; Mori, K; (...); Horie, S
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.341-348
Background: Global warming has increased heat-related illness concerns. Water misting is used for workplace cooling, but its effect on core body temperature is unclear. Methods: We examined whether spraying water mist on the upper body suppresses the increase in core body temperature in hot and humid environments. Nine healthy adult men exercised for 60 min on a bicycle ergometer at four metabo
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16.Literature Review on Construction Safety Resilience: A Bibliometric Analysis to Map the State of the Art
Hu, Z; Li, SY; (...); Li, SY
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.259-267
Background: This study provides a comprehensive overview of the research progress on construction safety resilience and sets up a three-subdimension concept framework (structural resilience, psychological resilience, and managerial resilience) with the theory of engineering resilience. Methods: With a three-step review method based on document metrics analysis and scientific measurements, this
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Last 180 Days	Since 2013

17.Quantitative Analysis of the Factors that Influence Welding Fume Exposure via ART Modelling
Jiang, W; Xu, Y; (...); Ma, SX
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.317-324
Background: Welding fumes from industrial operations pose serious health risks. This study aimed to investigate the factors driving changes in welding fume exposure by analyzing key factors using the Advanced REACH Tool (ART) for dust exposure assessment in building materials enterprises. Methods: The dust exposure of 18 building materials enterprises was compared using ART model as-sessm
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References
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18.Risk for Diabetes From Long Working Hours and Night Work in the United States: Prospective Associations and Machine Learning Techniques
Keller, E; Chen, LW; (...); Li, J
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.355-360
Background: Diabetes contributes significantly to death in the U.S., with many working-age individuals affected. This research determined the independent and joint associations of long working hours and night work with diabetes risk in U.S. workers, and their contribution to risk prediction. Methods: This prospective study included 1,454 workers from the Midlife in the United States (MIDUS) stu
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Last 180 Days	Since 2013

19.Development of Korean CARcinogen EXposure: IARC Group 2A Carcinogens
Koh, DH; Choi, S; (...); Park, DU
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.303-309
Backgrounds: Reliable exposure data are critical for occupational cancer prevention and epidemiological studies. We developed the Korean CARcinogen EXposure (K-CAREX) to provide exposure prevalence and intensity for 20 carcinogens classified as Group 1 by the International Agency for Research on Cancer (IARC). This study extends K-CAREX to include IARC Group 2A agents. Methods: National data so
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20.Measuring Potential of a Candidate for a Job in the Light of Psychotechnical Tests and the Use of Selected Methods of Multivariate Analysis
Korban, Z and Taraszkiewicz-Lyda, M
Sep 2025
SAFETY AND HEALTH AT WORK 16 (3) , pp.281-288
Background: The article presents a way to use the so-called "raw" results of psychotechnical tests in the process of broadly understood personnel policy. Based on the "raw" results of psychotechnical tests, the authors performed the so-called synthetic/aggregate assessments. From a computational perspective, the study employed: a popular multiattribute decision making (MADM) method-the Developm
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Uzyskane wyniki wyszukiwań na poszczególne zapytania wyszukiwawcze. W uzyskanych wynikach przeważają artykuły (Articles) i publikacje przeglądowe (Reviews) opublikowane w 2025.
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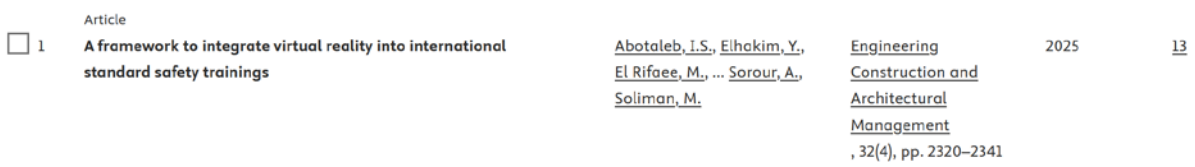
Poniżej informacja o artykułach - 20 pierwszych w wynikach, które nie zostały zacytowane, dla wszystkich afiliacji (All countries):

Article
1.A framework to integrate virtual reality into international standard safety trainings
Engineering Construction and Architectural Management, 32(4), pp. 2320–2341 2025
Citations 13



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A framework to integrate virtual reality into international standard safety trainings

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Engineering, Construction and Architectural Management • Article • 2025 • DOI: 10.1108/ECAM-09-2023-0969

Abotaleb, Ibrahim S.[a] ; Elhakim, Yasmin[a] ; El Rifaee, Mohamed[a] ; Bader, Sahar[a] ; Hosny, Osama[a] ; +5 authors

[a] Department of Construction Engineering, The American University in Cairo, Cairo, Egypt

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Abstract

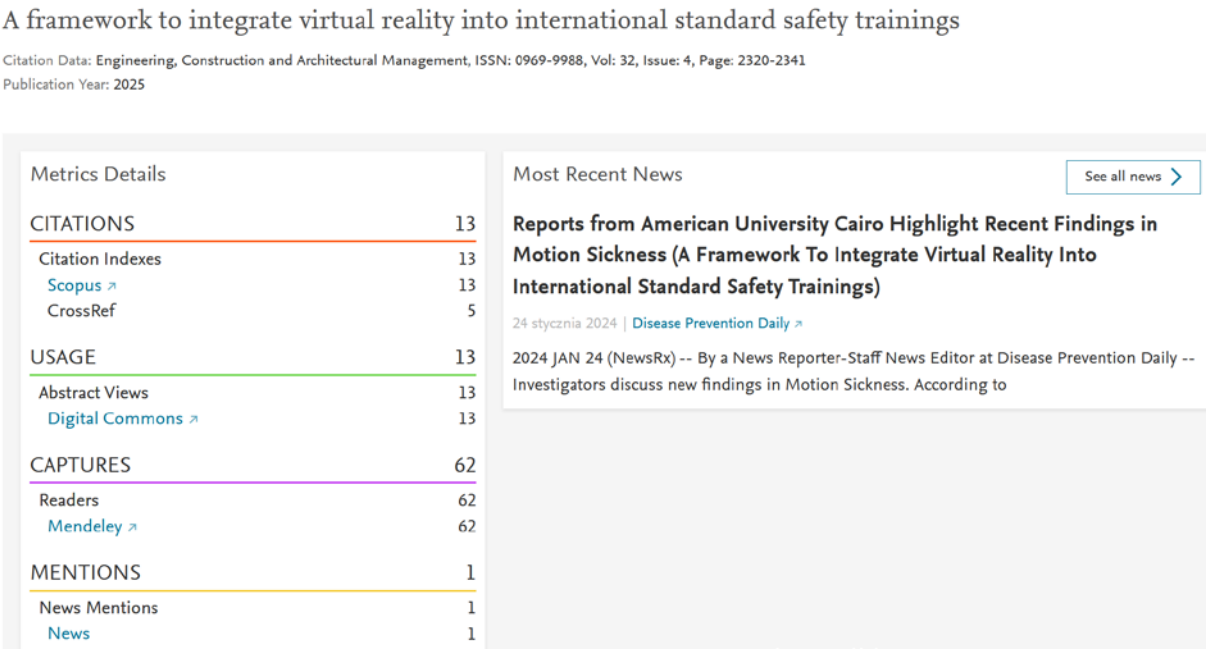
Purpose: The objective of this research is to propose an immersive framework that integrates virtual reality (VR) technology with directives international safety training certification bodies to enhance construction safety training, which eventually leads to safer construction sites. Design/methodology/approach: The adopted methodology combines expert insights and experimentation to maximize the effectiveness of construction safety training. The first step was identifying key considerations for VR models such as motion sickness prevention and adult learning theories. The second step was developing a game-like VR model for safety training, with multiple hazards and scenarios based on the considerations of the previous step. After that, safety experts evaluated the model and provided valuable feedback on its alignment with international safety training practices. Finally, the developed model is tested by senior students, where the testing format followed the Institution of Occupational Safety and Health (IOSH) working safely exam structure. Findings: An advanced immersive VR safety training model was developed based on extensive lessons learned from the literature, previous work and psychology-informed adult learning theories. Model testing – through focus groups and hands-on experimentation – demonstrated significant benefit of VR in upgrading and complementing traditional training methods. Originality/value: The findings presented in this paper make a significant contribution to the field of safety training within the construction industry and the broader context of immersive learning experiences. It also fosters further exploration into immersive learning experiences across educational and professional contexts. © 2023, Emerald Publishing Limited.

Abstract
Author keywords
Indexed keywords
Funding details
Corresponding authors

Author keywords

IOSH; NEBOSH; OSHA; Virtual reality

Metryki artykułu – cytowania i wskaźniki altmetryczne dostępne w Scopus_w zakładce Impact_PlumX metrics:



A framework to integrate virtual reality into international standard safety trainings

Citation Data: Engineering, Construction and Architectural Management, ISSN: 0969-9988, Vol: 32, Issue: 4, Page: 2320-2341
Publication Year: 2025

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Reports from American University Cairo Highlight Recent Findings in Motion Sickness (A Framework To Integrate Virtual Reality Into International Standard Safety Trainings)

24 stycznia 2024 | Disease Prevention Daily

2024 JAN 24 (NewsRx) -- By a News Reporter-Staff News Editor at Disease Prevention Daily -- Investigators discuss new findings in Motion Sickness. According to

Article • Open access

2.The Psychosocial Hierarchy of Controls: Effectively Reducing Psychosocial Hazards at Work

American Journal of Industrial Medicine, 68(3), pp. 250–263 2025

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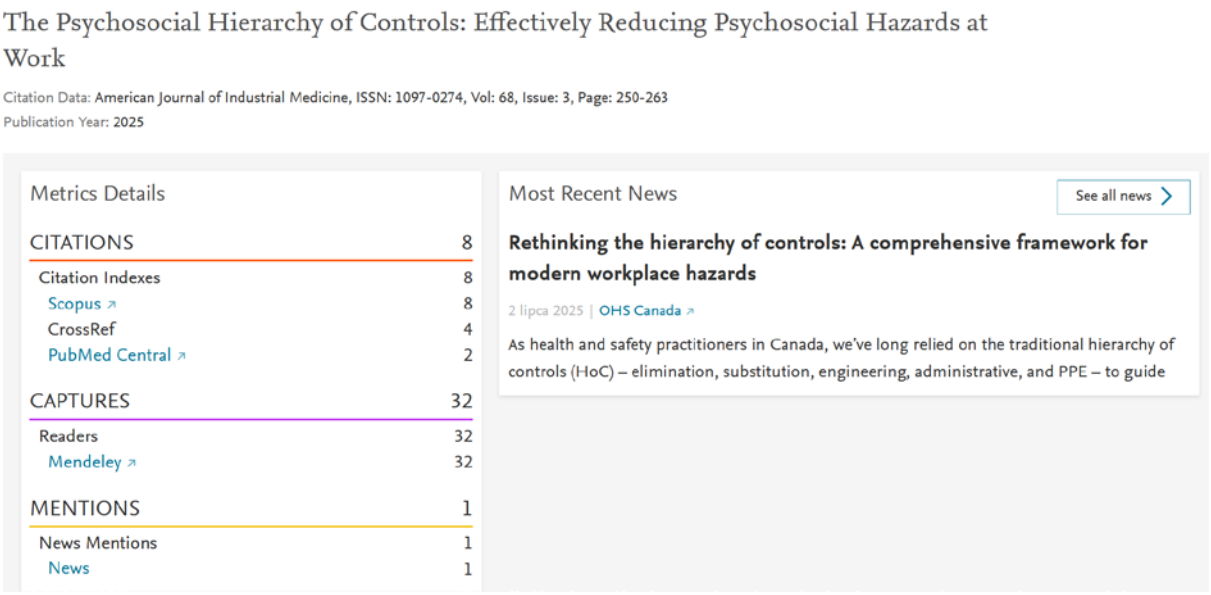

3.Highly sensitive, responsive, and selective iodine gas sensor fabricated using AgI-functionalized graphene
Nature Communications, 16(1), 1169 2025
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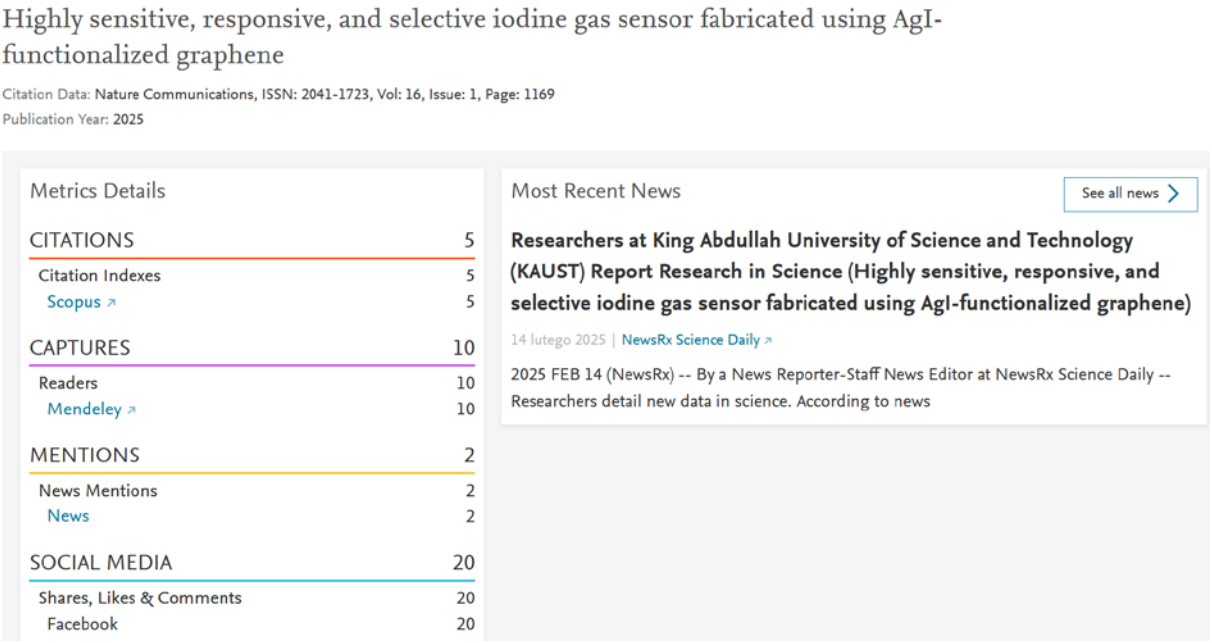

Review • Open access
4.Research on Control Strategy Technology of Upper Limb Exoskeleton Robots: Review

Machines, 13(3), 207
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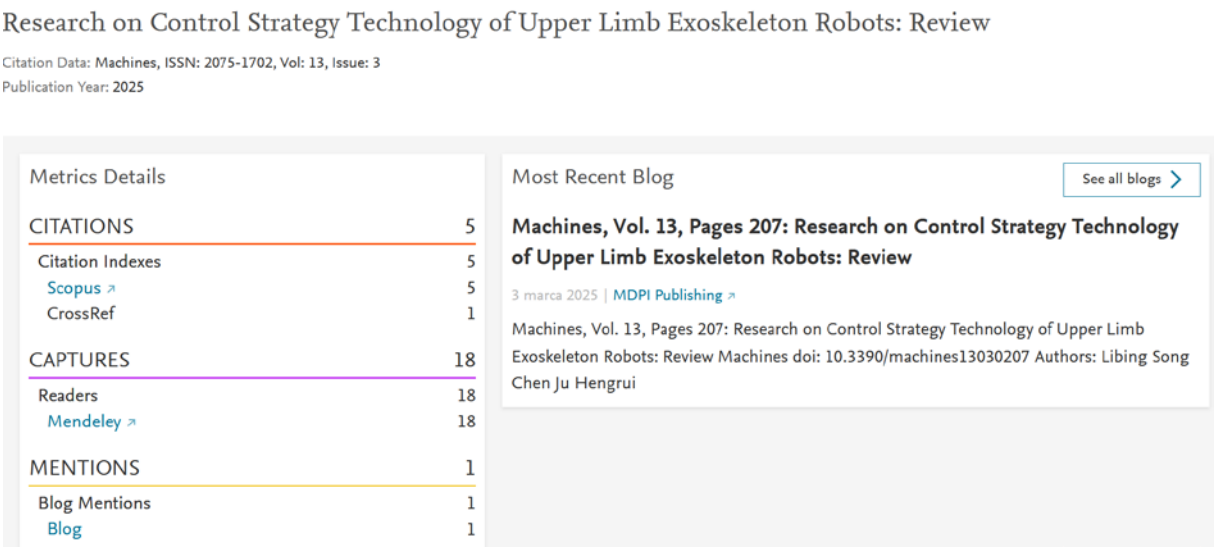

Review • Open access
5.The Impact of Digitalization and Information and Communication Technology on the Nature and Organization of Work and the Emerging Challenges for Occupational Safety and Health
International Journal of Environmental Research and Public Health, 22(3), 362
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Metryki artykułu – cytowania i wskaźniki altmetryczne dostępne w Scopus_w zakładce Impact_PlumX metrics:

6. Factors influencing safety behaviours of construction tradesmen
International Journal of Construction Management, 25(4), pp. 375–384
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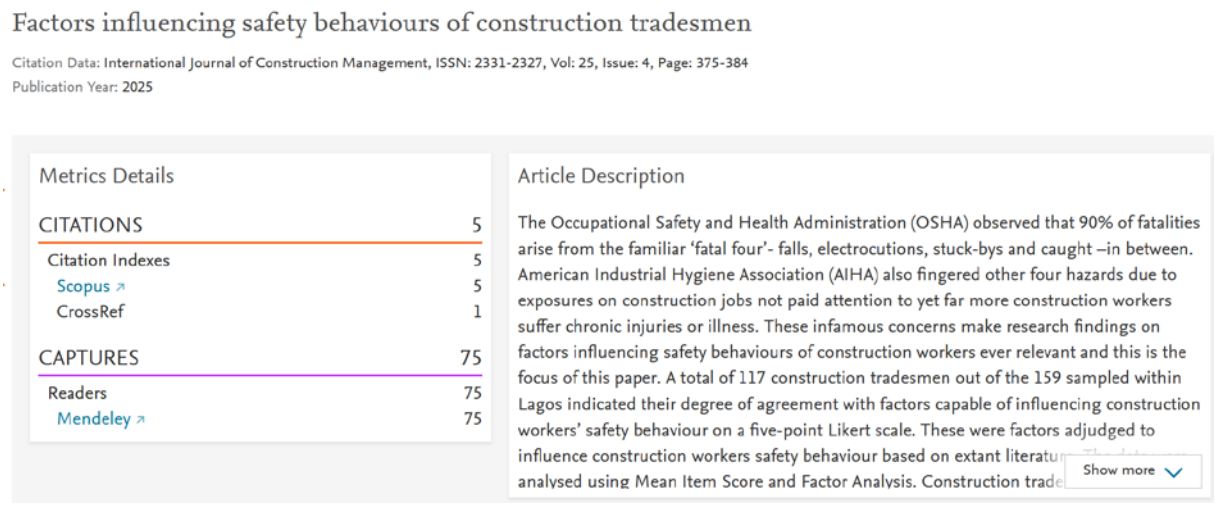

Article • Open access
7.Algorithmic management and occupational health: A comparative case study of organizational practices in logistics
Safety Science, 187, 106863 2025
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Review • Open access
8.Data-Driven Analysis of Construction Safety Dynamics: Regulatory Frameworks, Evolutionary Patterns, and Technological Innovations
Buildings, 15(10), 1680 2025
Citations 4
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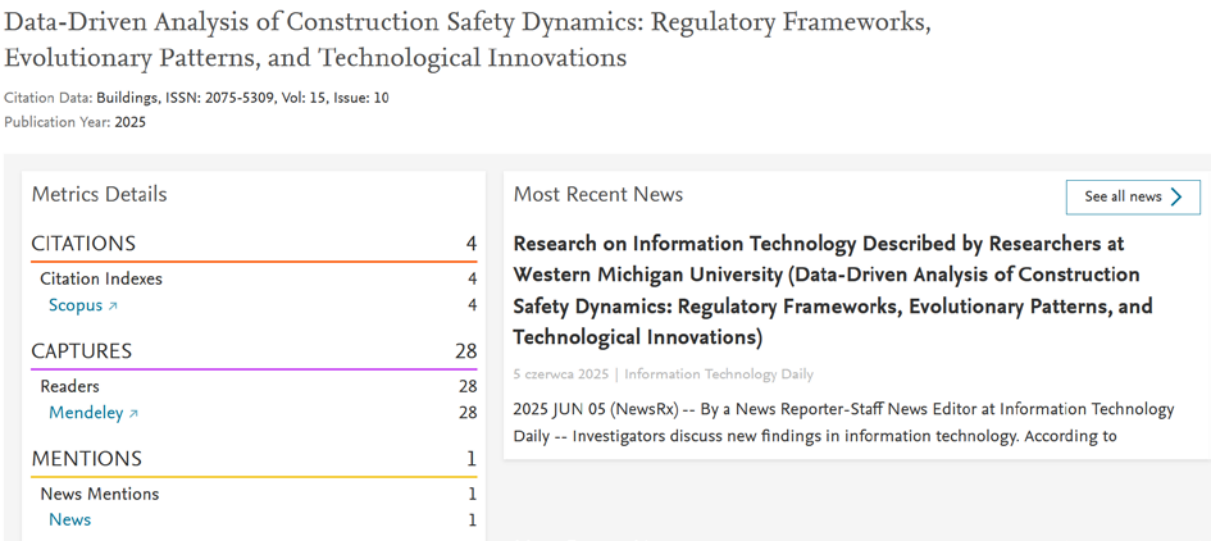

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9.The SAM-Krom biomonitoring study shows occupational exposure to hexavalent chromium and increased genotoxicity in Denmark
International Journal of Hygiene and Environmental Health, 264, 114444
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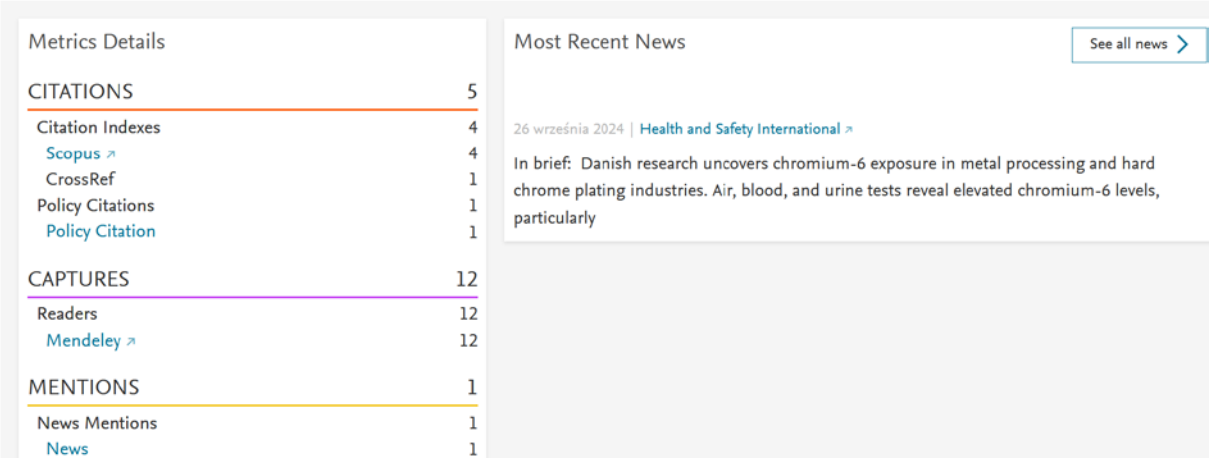
Citations 4
Metryki artykułu – cytowania i wskaźniki altmetryczne dostępne w Scopus_w zakładce Impact_PlumX metrics:

The SAM-Krom biomonitoring study shows occupational exposure to hexavalent chromium and increased genotoxicity in Denmark

Citation Data: International Journal of Hygiene and Environmental Health, ISSN: 1438-4639, Vol: 264, Page: 114444
Publication Year: 2025



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10.Enhancing Worker Safety Behaviors Through the Job Demands–Resources Approach: Insights from the Korean Construction Sector

Buildings, 15(3), 486 2025

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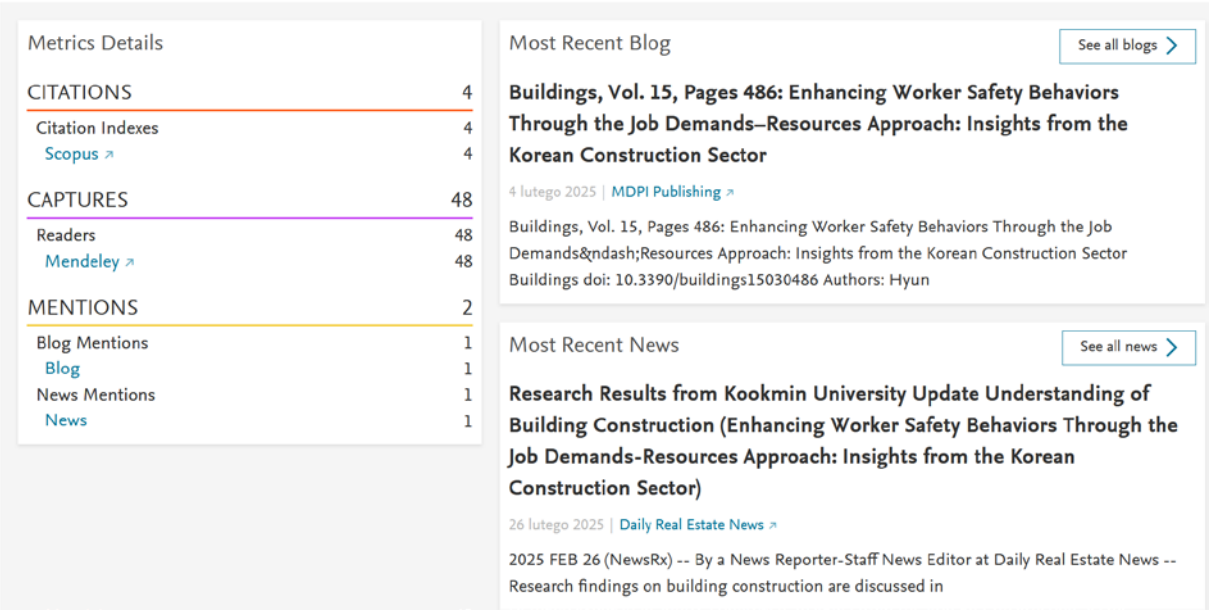
Citation Data: Buildings, ISSN: 2075-5309, Vol: 15, Issue: 3
Publication Year: 2025



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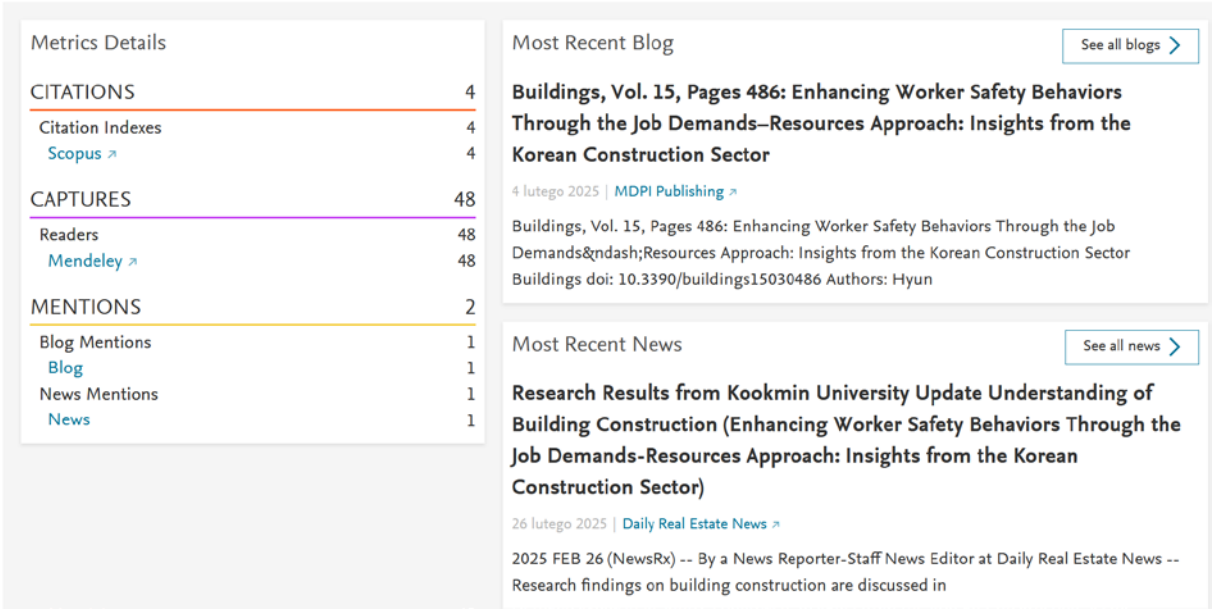

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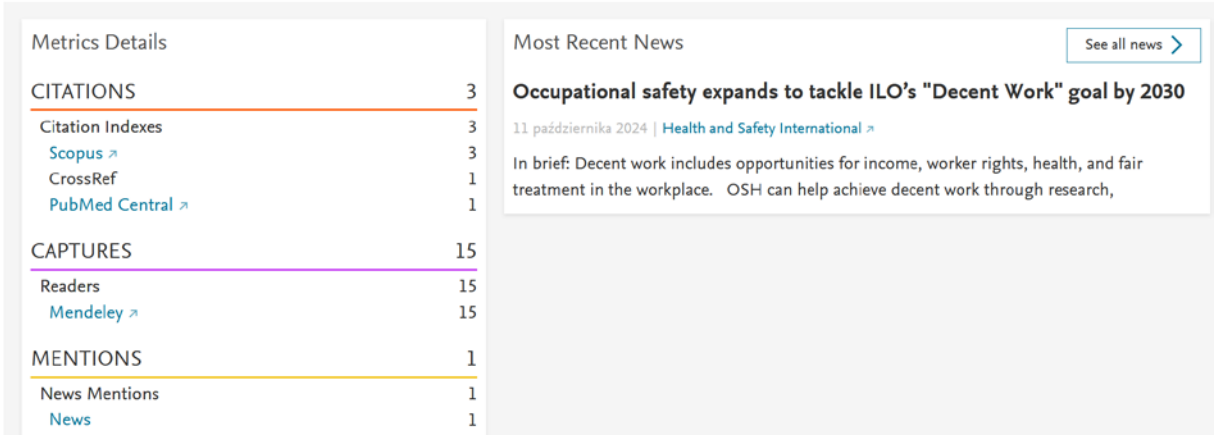

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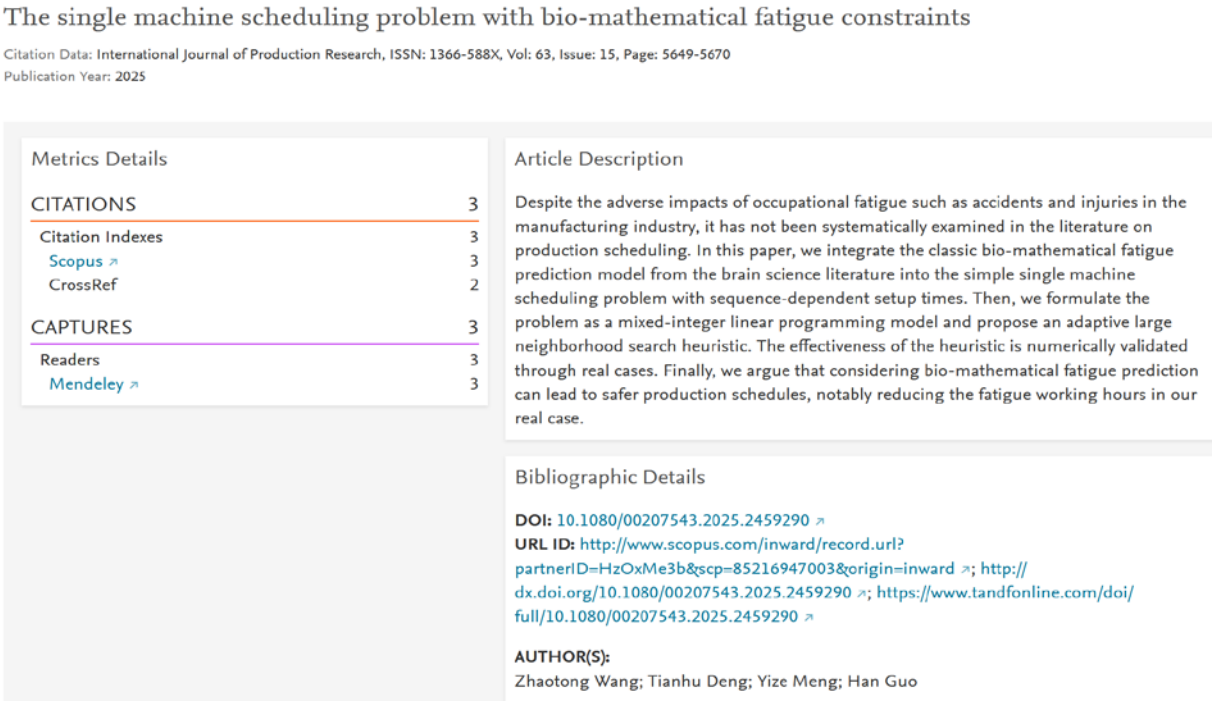

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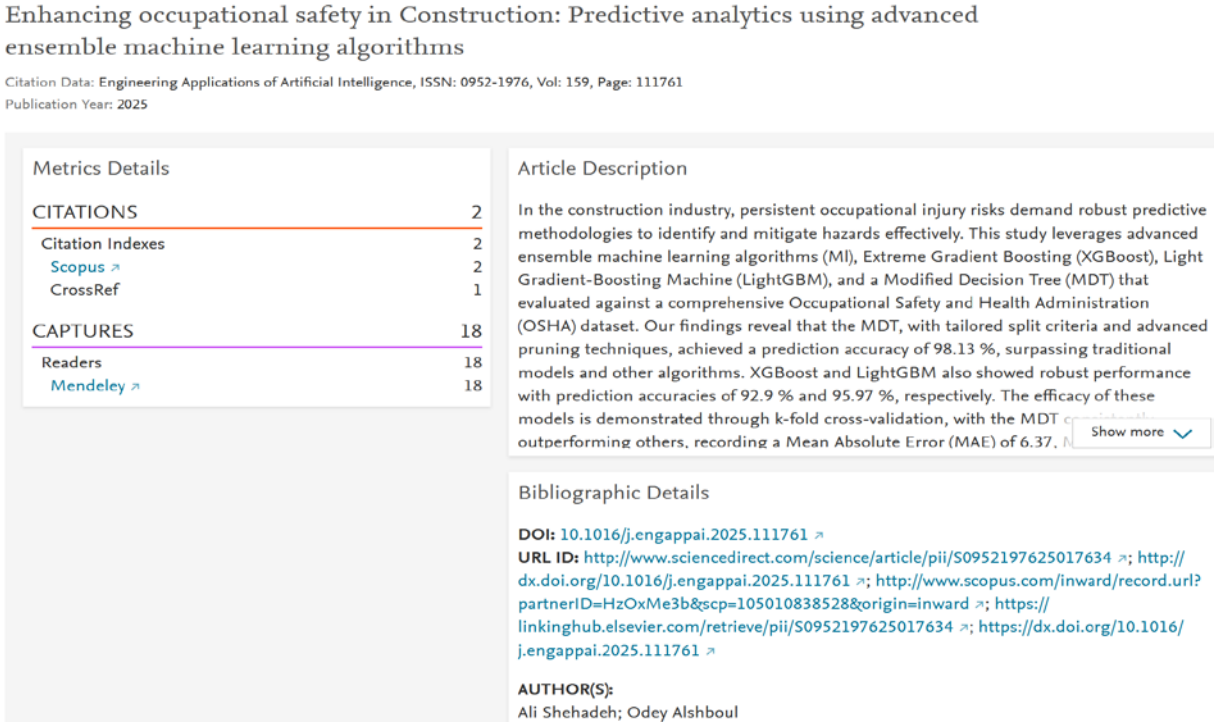

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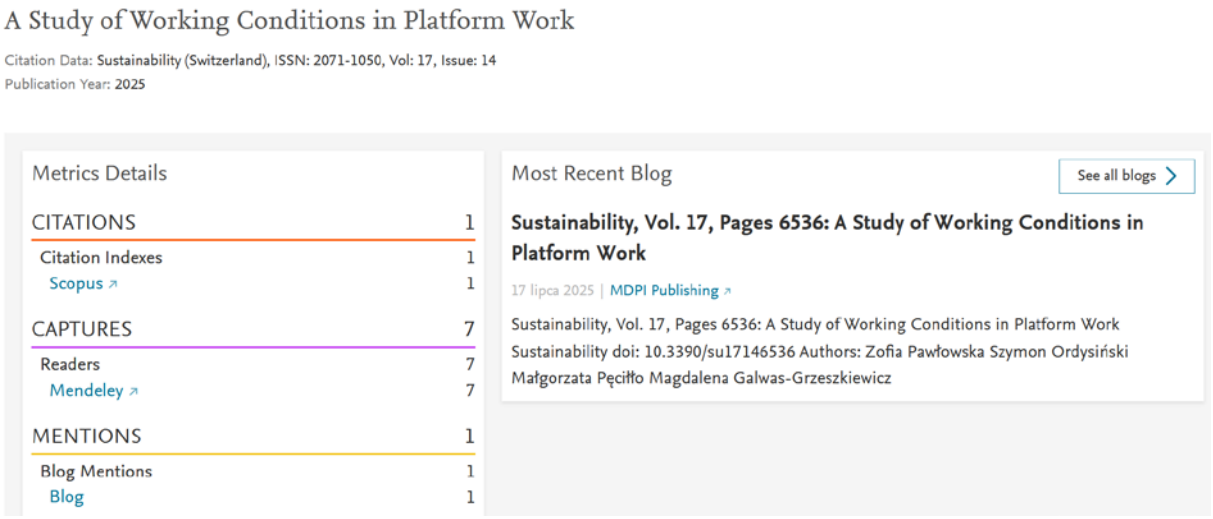

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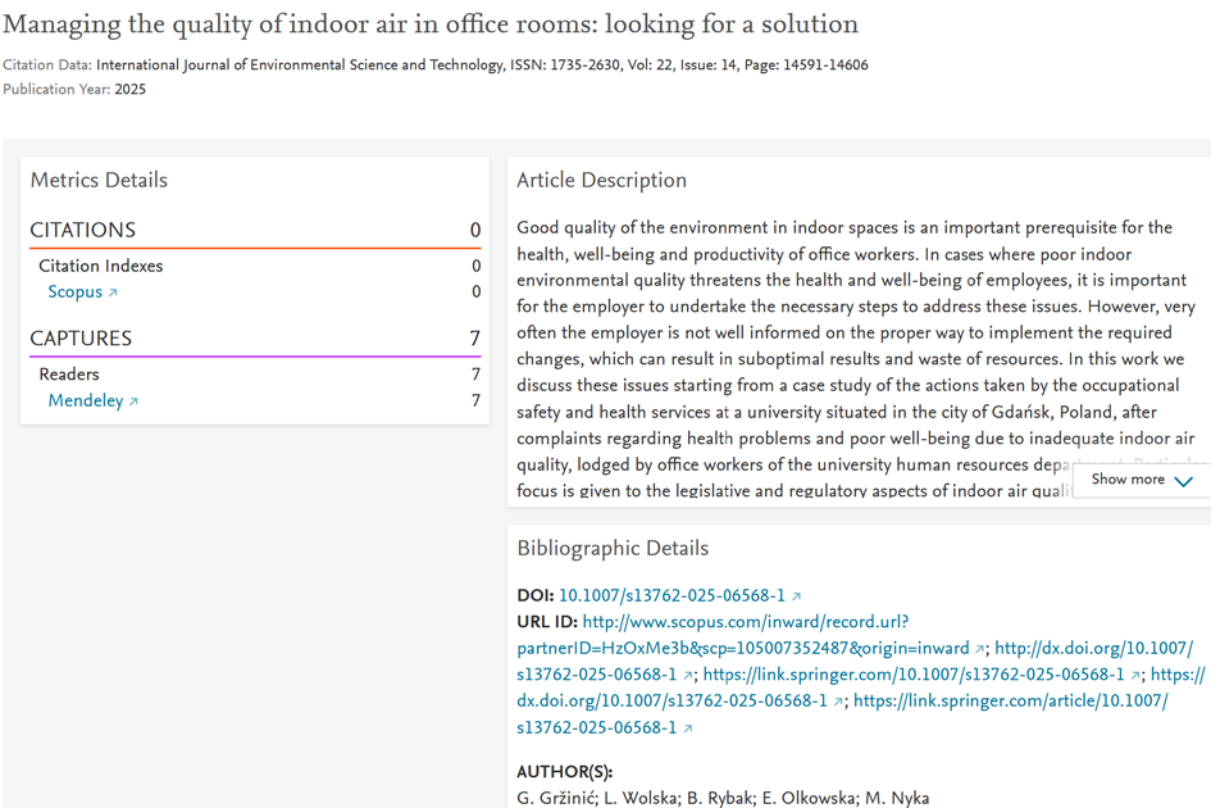

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