

什麼是永續發展目標(SDGs)?



2015年,聯合國為了減低貧富差距、減緩氣候變遷、促進社會平權等目標 宣布「2030永續發展目標」(Sustainable Development Goals, SDGs),SDGs包含17項核心目標

SUSTAINABLE GALS



參考資料: https://futurecity.cw.com.tw/article/1867

本校在SDGs研究中最常出現之關鍵字





-Policy

-Welfare

-Rights



-Gender

-Women

-Education



-Manufacturing

-Industry

-Development



-CO2

-Carbon

-Carbon Dioxide



-China

-Model

-Potential



-Food

-Agriculture

-Crop



-Access

-River

-Management



-China

-Social Justice

-Gender Equity



-Marine

-Water

-Sea



SDGs Key

Focus



-Cancer

-Drug

-Disease



-Energy

-Power

-Hydrogen



-Cities

-City

-Urban



-Species

-Forest

-Ecological



-Learning

-Students

-Education



-Economic

-Development

-Environment



-Waste

-Sustainable

-Management



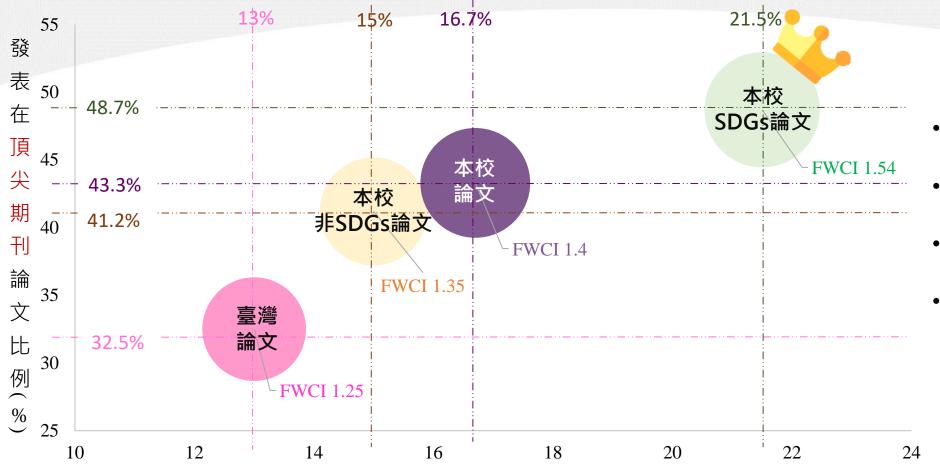
-Cyberbullying

-School Violence

-Bullying Perpetration

本校SDGs論文在頂尖期刊與高被引期刊表現卓越





- · 越**上方**代表發表在頂尖 期刊的比例<mark>越高</mark>
- · 越<mark>右方</mark>代表在高被引期 刊的比例<mark>越高</mark>
- 氣泡越大代表該類型的 FWCI值越高
- 本校2025 THE影響力排
 名入選SDG 6,9,12,17









- 發表在高被引期刊論文比例(%)
- 1) 出版類型: Article only(含自我引用); 論文期間: 2019-2024; 被引用數期間: 2019-2025/9/3
- 2) 頂尖期刊:以 CiteScore 百分位數計算的排名前 10% 期刊
- 3) 高被引期刊:以期刊被引用數計算的排名前10%期刊

資料說明:

4) 資料來源: Scopus資料庫(於20250915擷取Scival_20250903資料)

本校與全球在SDG6、9所發表的熱門關鍵



SDG 6



Molybdenum Disulfide Degradation Efficiency Nickel Compounds
Graphene Photodegradation Rhodium Compound
Organic Pollutant Reduced Graphene Ox...
Precipitation (Chemical) Photocatalysis Water Treatment
Electrosorption
Advanced Oxidation Process Peroxymonosulfate
Tetracycline Water Filtration

Tetracycline Water Filtration Polyvinyl Alcohol
Z-Scheme Biochar Aluminosilicate Manganese Oxide Vanadate Desalination Polypyrrole Transition Metal
Wastewater Treatment

Microfiltration Sodium Chloride Pervaporation Desalination
Fluidized Bed Boric Acid Biochemical Reactor Process Control

Chemicals Removal (Water Treatment)
Bismuth Compounds Capacitive Deionization





Deep Learning Method Liquid Crystal Display Computer Control Systems
Printing Press Management Chain Timing Circuits
Chip Scale Packages Semiconductor Device Optical Lithography
Level Packaging High Entropy Alloys Innovation Systems
Microfabrication Microelectromechanical System Silicon Wafer Microfabrication Systems Superalloys Three Dimensional Printing Smart Manufacturing Semiconductor Devic Semiconductor Devi Microfabrication

Semiconductor Manufacturing
Industry 4.0 Selective Laser Melting
Industry Lithium Ion Battery

Pressure Sensor Thin film transistors

Research and Development Industry Lithium Ion Battery

Inconel 718 Robotic Arm Artificial Intelligence Integrated Circuit Design

Printed Circuit Board Reinforcement Learning Industrial Research
Computer Aided Design Industrial Robot Micro Machining

Micro Machining Manufacturing Industry

Manufacturing Industry Manufacturing Process Support System **Electronic Design Automation**



擷取清華大學在2019-2023年THE影響力排名SDGs有關的學術發表。文字雲字體大小取決於出現篇數相對比例,字體顏色則無特殊意義 資料來源: Scopus資料庫(於20250915擷取Scival_20250903資料),全球版文字雲擷取自Scopus於2025年發表的SDGs Mapping

本校與全球在SDG12、17所發表的熱門關鍵字



SDG 12



SDG 17



NTHU

Waste Treatment Nuclear Fuel Storag...

Cell Engineering Nuclear Fuel
Precision Agriculture
Industry Lithium Ion Battery
Breakthrough Curve Anode Tritium Tourism
Waste Management Biochar
Spent Fuels Risk Analysis Graphical Method
Bentonite Academic Performance
Supply Chain Management Anode Material Supply Chain Manage Anode Material Reinforcement Learning Intelligent Agent Dead Wood Ecosystem Resilience

Global



High Entropy Alloys
Oxygen Reduction Reaction
Organic Solar Cells
COVID-19 Vaccine
Silicon Wafer
Lithium Ion Battery
Water Splitting
Anode Material
Hydrogen Evolution Industry 4.0
Hydrogen Evolution Electrocatalyst
Anode
Molybdenum Disulfide
Sodium Ion Battery
Perovskite Solar Ce... Targeted Drug Delivery
Controlled Substance Energy Efficiency
Cobalt Compounds
Lithium Ion
Lithium-Ion Batteries
Organic Solar Cells
Anode Material
Anode
Lithium Ion Electrocatalysis
COVID-19
Controlled Substance Energy Efficiency
Cobalt Compounds
Lithium Ion
Anode
Anode
Sodium Ion Battery
Controlled Substance Energy Efficiency
Cobalt Compounds
Lithium Ion
Anode Material
Anode
Covidence Solar Cells
Solar Cells
SARS Coronavirus
Taiwan
Smart Manufacturing
Aptamer
Oxygen Evolution
Light Production



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Scopus以論文的標題、摘要、關鍵字在出現位置*下,比對特定的SDGs字串集後,若符合規則一或是規則二其中之一,且同時符合規則三時,該論文將被標註為SDG1~17的標籤提供查詢

規則一:包含字串集任一指定字詞(含空格)

規則二:包含字串集至少兩個指定字詞(先後順序及距離不限)

規則三:若符合以上任一規則,還必須不搭配特定字詞

*出現位置共有以下4種:

1. TITLE:標題

2. KEYWORD:關鍵字

3. TITLE-ABSTRACT:標題與摘要的組合欄位

4. TITLE-ABSTRACT-KEYWORD:標題與摘要與關鍵字的組合欄位



規則一:包含字串集任一指定字詞(含空格)

例: "anti-poverty" , "environmental education" , "north-south partnerships" 等

The integration of culture into

environmental education environmental teaching

effectively.







The move is critical in enhancing the

north-south partnerships.

north-south fair partnerships.



X



註1: environmental teaching 不在字串集中

註2: north-south fair partnerships 不在字串集中



規則二:包含字串集至少兩個指定字詞(先後順序及距離不限)

例: "solar energy … fuel … hydrogen" , "aerosols … asthma" 等

• Utilizing solar energy to fuel production creates cleaner

hydrogen. O air.



Aerosols are very helpful in treating

asthma.

0

respiration.



註1: solar energy 同時搭配 fuel 及 hydrogen 則可採計

註2: aerosols 搭配 asthma 則可採計



規則三:若符合以上任一規則,還必須不搭配特定字詞

例: "reduce CO2" 不可搭配 "soil storage",

"Internet of things ... industrial "不可搭配 "homes"

Reduce CO2 through enhanced
 (符合規則一)

artificial intelligence soil storage

technology.

U



 Internet of things connects industrial systems and (符合規則二) houses for smart.

homes for smart. X

0



註1: reduce CO2不可搭配 soil storage

註2: Internet of things ... industrial不可搭配 homes

字詞大小寫視為相同



右方為Scopus 針對 SDG 1 的 Mapping Rules (節錄)

17個SDGs 共有 513,551 Rules

字太多?看不懂?

沒關係,校務研究中心拆解後製作了關鍵字及規則查詢系統如下 頁節點,歡迎使用

資料來源:https://elsevier.digitalcommonsdata.com/datasets/y2zyy9vwzy/1

TITLE("rural poor") OR TITLE("rural* communit*") OR TITLE("urban* dweller*") OR TITLE("ghettos")))) OR(((AUTHKEY("provision of drinking OR AUTHKEY("sanitation")) AND(AUTHKEY("low-income") OR AUTHKEY("poverty") OR AUTHKEY("poor people") OR AUTHKEY("poorer people") OR AUTHKEY("rural poor") OR AUTHKEY("rural* communit*") OR dweller*") OR AUTHKEY("ghettos"))) AUTHKEY("urban* OR((AUTHKEY("provision of drinking water") OR AUTHKEY("sanitation")) AND(AUTHKEY("lowincome") OR AUTHKEY("poverty") OR AUTHKEY("poor people") OR AUTHKEY("poorer people") OR AUTHKEY("rural poor") OR AUTHKEY("rural* communit*") OR AUTHKEY("urban* dweller*") OR AUTHKEY("ghettos")))) OR((TITLE("inequitit*") OR TITLE("inequalit*")) AND(TITLE("income") OR TITLE("earning*"))) OR((AUTHKEY("inequitit*") OR AUTHKEY("inequalit*")) AND(AUTHKEY("income") AUTHKEY("earning*"))) OR(TITLE("wage") AND TITLE("inequalit*")) OR(AUTHKEY("wage") AND AUTHKEY("inequalit*")) OR TITLE-ABS("asset poverty") OR AUTHKEY("asset poverty") OR(TITLE-ABS("social exclusion") AND(TITLE-ABS("poverty") OR TITLE-ABS("the poor") OR TITLE-ABS("poor people") OR TITLE-ABS("developing* countr*") OR TITLE-ABS("poor* communit*") OR TITLE-ABS("rights") OR TITLE-ABS("racial") OR TITLE-

想更加了解各SDGs的關鍵字嗎?



歡迎進入下列關鍵字索引(超連結),有更詳細的內容與您分享~!!



校務研究中心SDGs關鍵字查詢系統(限校內IP address):https://sdgs.ilst.nthu.edu.tw/

亦可登入校務資訊系統→校務研究中心資訊服務→SDGs關鍵字查詢系統