VILNIUS TECH Open Access Publications within SDG 13: Climate Action (2022) - Citation Impact, Research Areas and Topics

Vilnius Gediminas Technical University affiliated Open Access publications published in Scopus indexed sources and aligning with the United Nations (UN) Sustainable Development Goal (SDG) 13: Climate Action

Overall research performance

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

81
Scholarly Output
100.0% Open Access

239
Authors

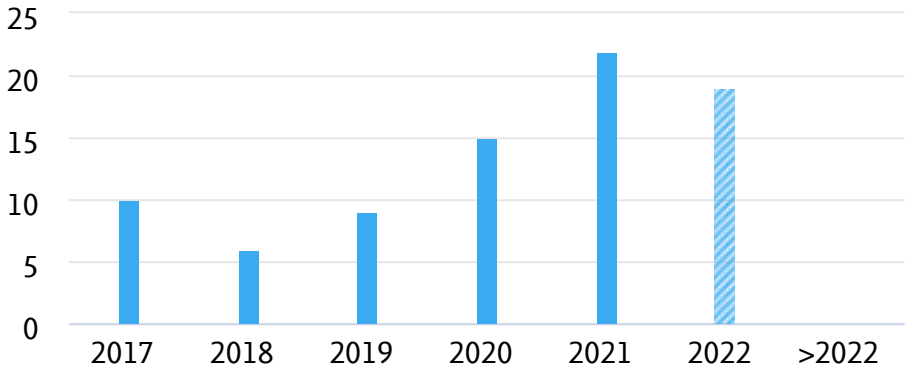
1.65
Field-Weighted Citation Impact

842
Citation Count

10.4
Citations per Publication

Scholarly Output

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

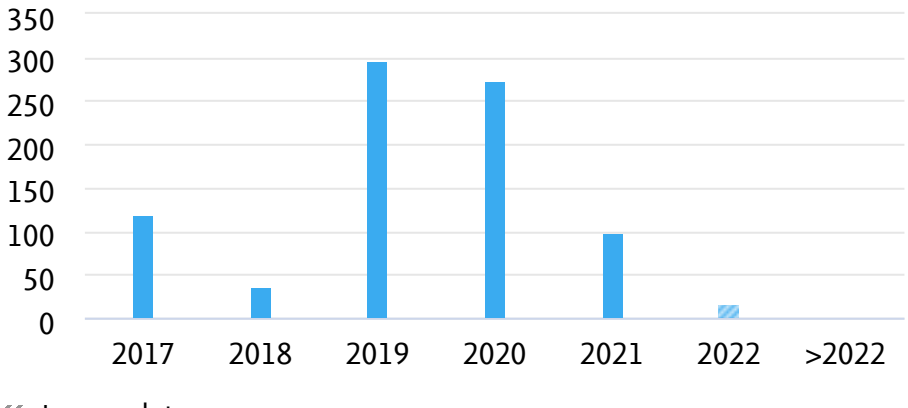


publication counts by year

81
number of publications by authors in Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access

Citation Count

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

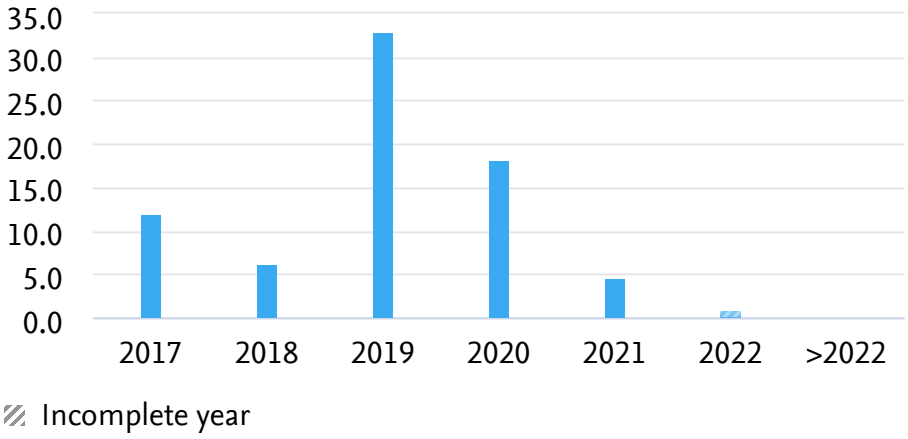


842

number of citations received by publications in Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access

Citations per Publication

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

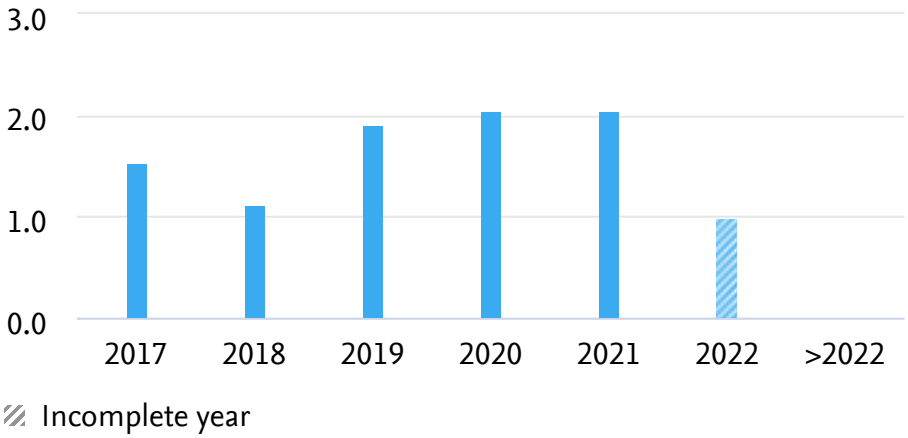


10.4

average number of citations per publication in Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access

Field-Weighted Citation Impact

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022



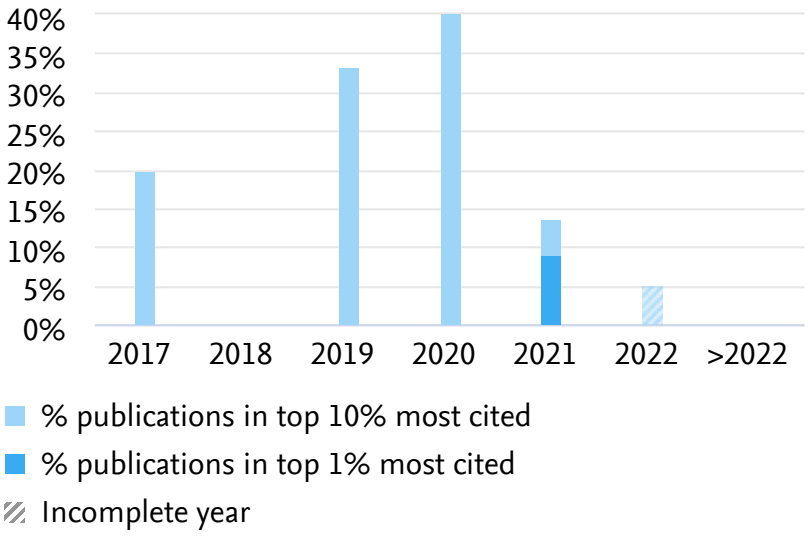
1.65

Field-Weighted Citation Impact of Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access

Outputs in Top 10% Citation Percentiles (field-weighted)

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Share of publications in Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access that are among the most cited publications worldwide
field-weighted



15 (18.5%)

number of publications in the top 10% most cited publications worldwide

Most cited publications

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Publication	Citations	Field-Weighted Citation Impact
Sustainable business models: A review. Nosratabadi, S., Mosavi, A., Shamshirband, S. and 3 more (2019) Sustainability (Switzerland), 11 (6).	159	6.93
Multi-criteria decision-making (MCDM) for the assessment of renewable energy technologies in a household: A review. Siksnelyte-Butkiene, I., Zavadskas, E.K., Streimikiene, D. (2020) Energies, 13 (5).	77	3.11
Implementation of EU energy policy priorities in the Baltic Sea Region countries: Sustainability assessment based on neutrosophic MULTIMOORA method. Siksnelyte, I., Zavadskas, E.K., Bausys, R. and 1 more (2019) Energy Policy, 125, pp. 90-102.	51	3.36
Economic efficiency and energy security of smart cities. Strielkowski, W., Veinbender, T., Tvaronavičienė, M. and 1 more (2020) Economic Research-Ekonomska Istrazivanja , 33 (1), pp. 788-803.	47	6.95

Most cited publications

Publication	Citations	Field-Weighted Citation Impact
Renewable energy in final energy consumption and income in the EU-28 countries. Simionescu, M., Strielkowski, W., Tvaronavičiene, M. (2020) Energies, 13 (9).	39	4.60

Scholarly Output by Scopus Source

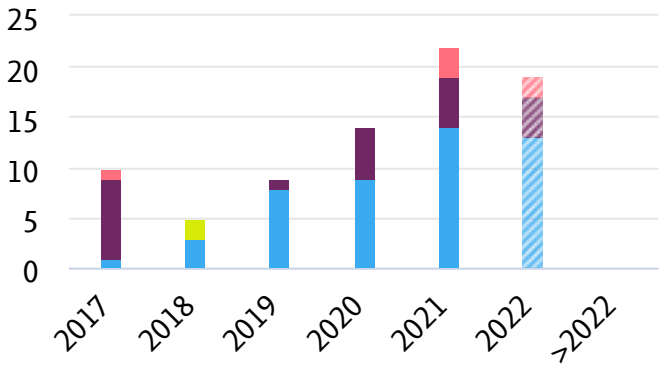
Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Scopus Source	Scholarly Output	Citations	Authors	CiteScore 2021
Energies	22 ▲	267	87 ▲	5.00
Sustainability	12 ▲	184	42 ▲	5.00
Procedia Engineering	5 ▼	40	13 ▼	-
Transport	5	20	18 ▲	3.70
Applied Sciences (Switzerland)	4 ▲	52	9 ▲	3.70
Environmental and Climate Technologies	4 ▲	13	14 ▲	2.30
E3S Web of Conferences	3 ▲	5	6 ▲	0.80
Journal of Business Economics and Management	3 ▼	61	7 ▼	3.30
Economic Research-Ekonomska Istrazivanja	2 ▲	50	9 ▲	4.90
Promet - Traffic - Traffico	1 ▼	8	4 ▼	1.60

Publications by Journal CiteScore quartile

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Share of publications per Journal quartile by CiteScore Percentile



Incomplete year

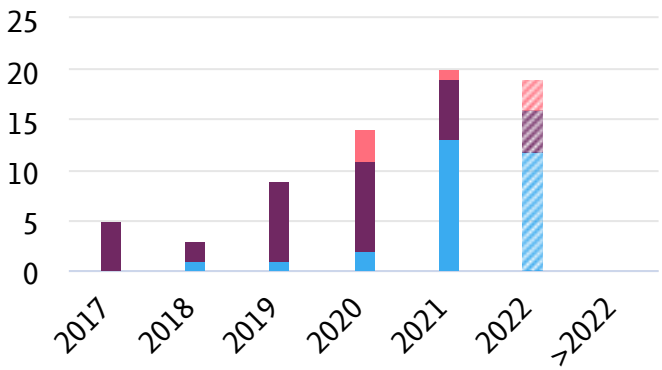
Quartiles	Publications	Publication share (%)
Q1 (top 25%)	48	60.8
Q2 (26% - 50%)	23	29.1
Q3 (51% - 75%)	6	7.6
Q4 (76% - 100%	2	2.5

Cumulative shares	Publications	Publication share (%)
Q1 to Q2 (top 50%)	71	89.9
Q1 to Q3 (top 75%)	77	97.5

Publications by Journal SJR quartile

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Share of publications per Journal quartile by SJR

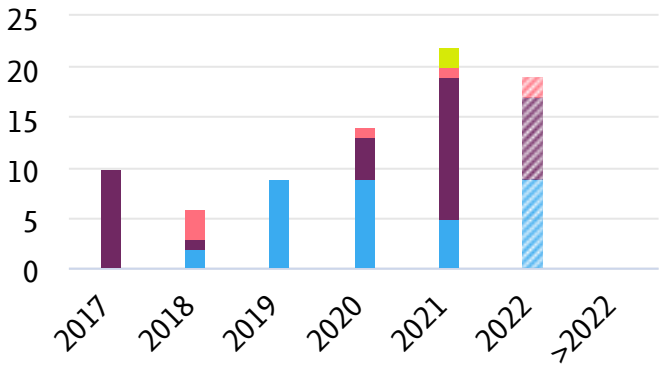


Quartiles	Publications	Publication share (%)
Q1 (top 25%)	29	41.4
Q2 (26% - 50%)	34	48.6

Publications by Journal SNIP quartile

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Share of publications per Journal quartile by SNIP



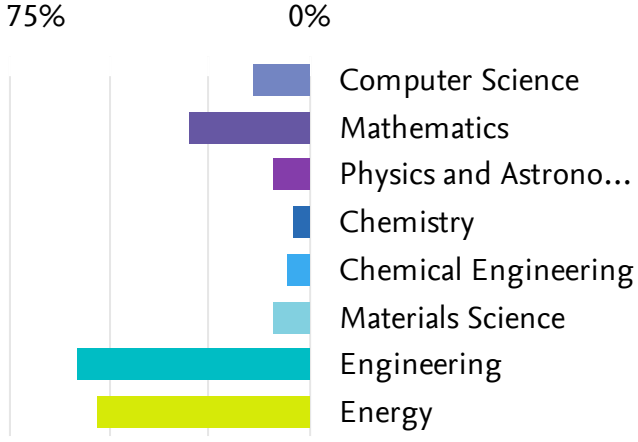
Incomplete year

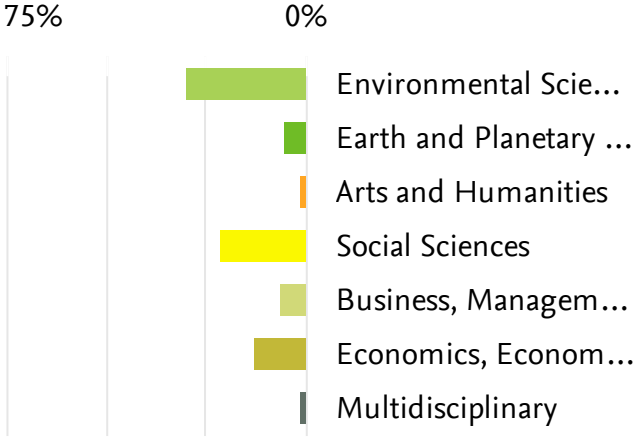
Quartiles	Publications	Publication share (%)
Q1 (top 25%)	34	42.5
Q2 (26% - 50%)	37	46.3
Q3 (51% - 75%)	7	8.8
Q4 (76% - 100%	2	2.5

Cumulative shares	Publications	Publication share (%)
Q1 to Q2 (top 50%)	71	88.8
Q1 to Q3 (top 75%)	78	97.5

Publication share by Subject Area

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022





Publications by Subject Area

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Subject Area	Scholarly Output	Citations	Authors	Field-Weighted Citation Impact
Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access	81	842	239 ▲	1.65
Engineering	47 ▲	406	147 ▲	1.31
Energy	43 ▲	527	147 ▲	1.46
Environmental Science	24 ▲	255	82 ▲	1.33
Mathematics	24 ▲	269	92 ▲	1.44
Social Sciences	17 ▲	236	58 ▲	2.13
Computer Science	11 ▲	71	39 ▲	1.35
Economics, Econometrics and Finance	10 ▼	163	28 ▼	3.93
Materials Science	7 ▲	73	18 ▲	1.81
Physics and Astronomy	7 ▲	58	24 ▲	1.80
Business, Management and Accounting	5 ▼	92	12 ▼	5.14
Chemical Engineering	4 ▲	52	9 ▲	2.56
Earth and Planetary Sciences	4 ▲	6	11 ▲	3.42
Chemistry	3 ▲	21	15 ▲	0.91
Multidisciplinary	1 ▲	3	6 ▲	0.21
Arts and Humanities	1 ▲	16	3 ▲	16.76

By ASJC classification

Topic Clusters

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

	At this Publication Set			Worldwide
Topic Cluster	Scholarly Output	Publication Share	Field-Weighted Citation Impact	Prominence percentile
Biodiesel; Diesel Engines; Engine Cylinders TC.165	18	0.05% ▲	1.44	94.047
Electricity; Energy; Economics TC.81	13	0.02% ▲	3.32	99.465
Buildings; Air Conditioning; Ventilation TC.176	7	0.01% ▲	1.49	97.391
Decision Making; Fuzzy Sets; Models TC.211	6	0.02% ▲	1.99	93.378
Concretes; Compressive Strength; Cements TC.68	3	0.00% ▲	0.45	98.729
Traffic Control; Transportation; Models TC.107	3	0.00% ▲	0.16	97.258
Exergy; Heat Pump Systems; Rankine Cycle TC.271	2	0.01% ▲	0.00	94.849
Drying; Moisture Determination; Thermal Processing (Foods) TC.405	2	0.01% ▲	0.55	84.348

Topic Clusters

Topic Cluster	At this Publication Set: Scholarly Output	At this Publication Set: Publication Share	At this Publication Set: Field-Weighted Citation Impact	Worldwide: Prominence percentile
Research; Technology; Industry TC.637	2	0.01% ▲	3.47	83.813
Monetary Policy; Economic Growth; Exports TC.21	1	0.00% ▲	2.95	94.716

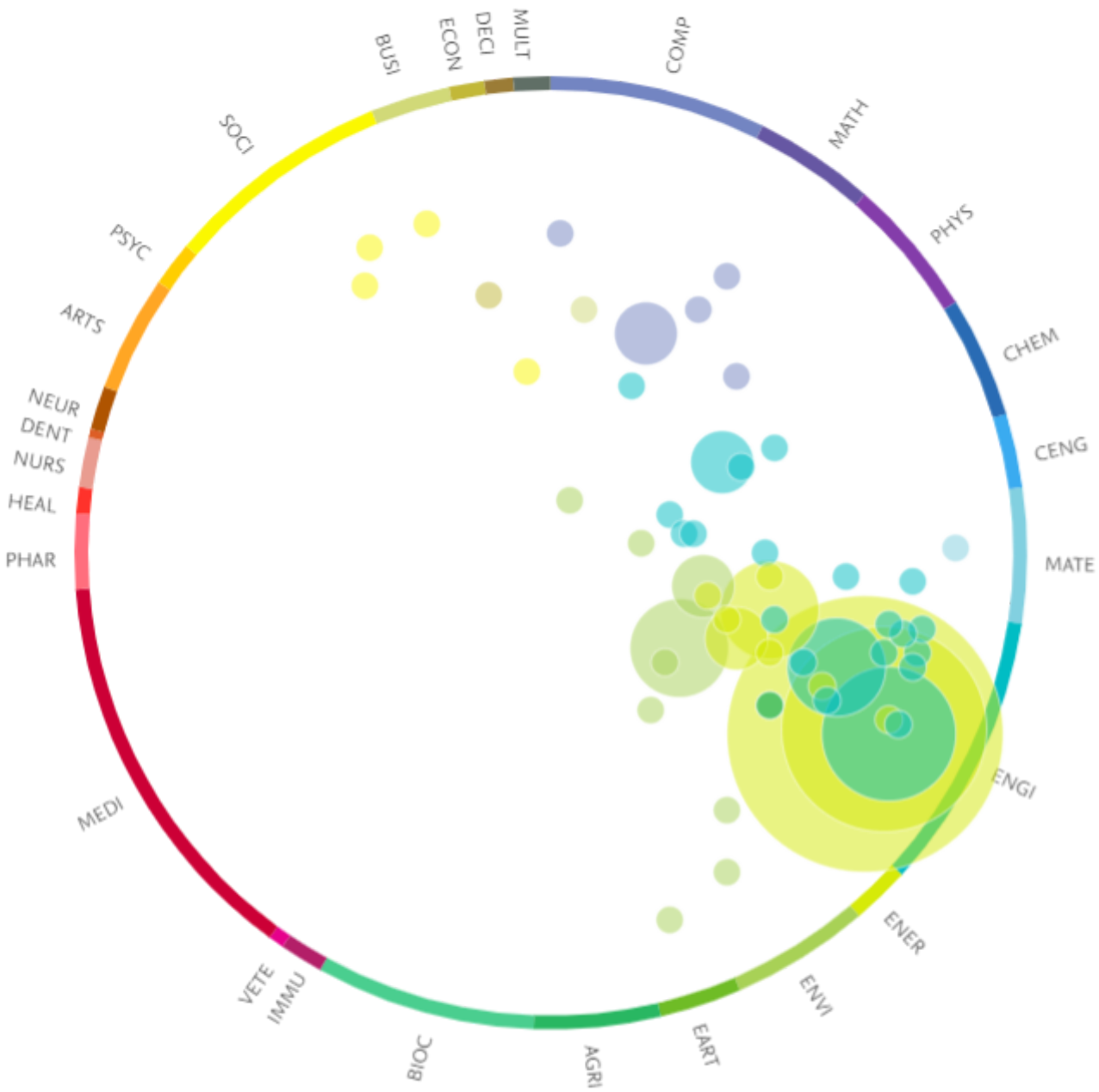
Top 10 from 33 topic clusters appearing in the analyzed publications set

Topics

Entity: Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Bubble size: Scholarly Output of this Publication Set

Bubble position is based on dominant ASJC categories.



Topics

COMP	Computer Science
MATH	Mathematics
PHYS	Physics and Astronomy
CHEM	Chemistry
CENG	Chemical Engineering
MATE	Materials Science
ENGI	Engineering
ENER	Energy
ENVI	Environmental Science
EART	Earth and Planetary Sciences
AGRI	Agricultural and Biological Sciences
BIOC	Biochemistry, Genetics and Molecular Biology
IMMU	Immunology and Microbiology
VETE	Veterinary
MEDI	Medicine
PHAR	Pharmacology, Toxicology and Pharmaceutics
HEAL	Health Professions
NURS	Nursing
DENT	Dentistry
NEUR	Neuroscience
ARTS	Arts and Humanities
PSYC	Psychology
SOCI	Social Sciences
BUSI	Business, Management and Accounting
ECON	Economics, Econometrics and Finance
DECI	Decision Sciences
MULT	Multidisciplinary

Top 15 keyphrases within SDG 13: Climate Action (2022)

Entity: Vilnius Gediminas Technical University · Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Top 15 keyphrases by relevance

Greenhouse Gas Emission
Carbon Dioxide
Emissions
CO2 Emissions
Fuel
Engine
Gas Emissions
Greenhouse Gas
Sustainable Development
Climate Change
Spontaneous Combustion
Ignition
Renewable Energy Source
Biofuel
Diesel

Benchmarking the Cited Publications (%), Scholarly Output, Citations per Publication and 7 more metrics

Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Entity	Metric 1 Scholarly Output	Metric 2 Cited Publications (%)	Metric 3 Citations per Publication	Metric 4 Field-Weighted Citation Impact	Metric 5 Views per Publication	Metric 6 Field-Weighted Views Impact
Publications within SDG 13: Climate Action (2022) | 2017 to >2022	124	77.4	13.1	1.62	50.6	1.85
Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access	81	80.2	10.4	1.65	48.4	1.84

Benchmarking the Cited Publications (%), Scholarly Output, Citations per Publication and 7 more metrics

Year range: 2017 to 2023 · Data source: Scopus, up to 19 Oct 2022

Entity	Metric 7 Output in Top 10% Citation Percentiles (%)	Metric 8 Publications in Top 10% Journal Percentiles by CiteScore Percentile (%)	Metric 9 Publications in Q1 Journal Quartile by CiteScore (%)	Metric 10 International Collaboration (%)
Publications within SDG 13: Climate Action (2022) | 2017 to >2022	21.8	19.6	62.5	55.6
Publications within SDG 13: Climate Action (2022) | 2017 to >2022| Open Access: All Open Access	21.0	7.6	60.8	56.8

Benchmarking the Cited Publications (%), Scholarly Output, Citations per Publication and 7 more metrics

Metric 1: **Scholarly Output**
Types of publications included: all.
Authorship type:

Metric 2: **Cited Publications (%)**
Types of publications included: all. Self-citations included: yes.

Metric 3: **Citations per Publication**
Types of publications included: all. Self-citations included: yes.
Authorship type:

Metric 4: **Field-Weighted Citation Impact**
Types of publications included: all. Self-citations included: yes.
Authorship type:

Metric 5: **Views per Publication**
Types of publications included: all.

Metric 6: **Field-Weighted Views Impact**
Types of publications included: all.

Metric 7: **Output in Top 10% Citation Percentiles (%) (In top 10% of World, %)**
Types of publications included: all. Self-citations included: yes. Field-weighted: no

Metric 8: **Publications in Top 10% Journal Percentiles by CiteScore Percentile (%) (In top 10% of Scopus Sources, %)**
CiteScore Percentile (from 2011 onwards)
Types of publications included: all.
The percentage of the Publications in Top Journal Percentiles is calculated using only the publications that have a CiteScore Percentile, SNIP, or SJR value.

Metric 9: **Publications in Q1 (top 25%) Journal Quartile by CiteScore Percentile** (%)
CiteScore Percentile (from 2011 onwards)
Types of publications included: all.

Metric 10: **Collaboration (International, %)**
Types of publications included: all. Field-weighted: no