# Researcher Group Overview Report - SCEM (FQM-166)

SCEM (FQM-166)        Filter by publication year range:2019 to 2024

## Summary metrics

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024

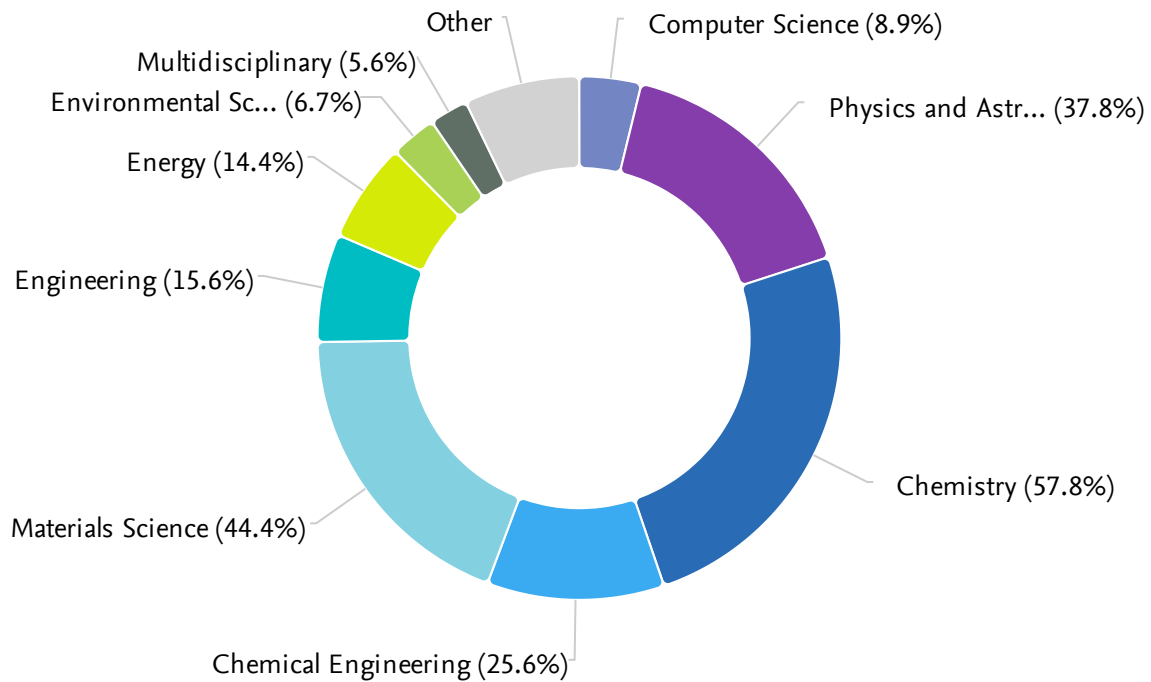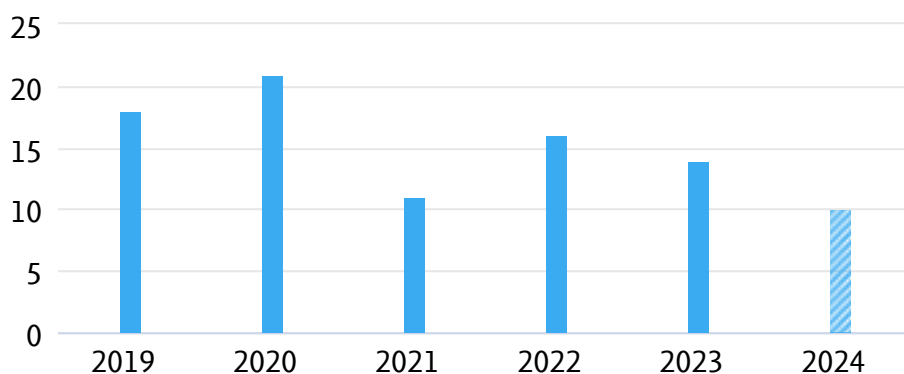| | | |
|---|---|---|
| **90**<br>Scholarly Output<br><br>52.2% Open Access | **10**<br>Researchers | **0.75**<br>Field-Weighted Citation Impact |
| **0.51**<br>Field-Weighted Citation Impact Median | **755**<br>Citation Count | **8.4**<br>Citations per Publication |

## Publication share by Subject Area

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024



- Computer Science (8.9%)
- Physics and Astr... (37.8%)
- Chemistry (57.8%)
- Chemical Engineering (25.6%)
- Materials Science (44.4%)
- Engineering (15.6%)
- Energy (14.4%)
- Environmental Sc... (6.7%)
- Multidisciplinary (5.6%)
- Other

## Scholarly Output

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024



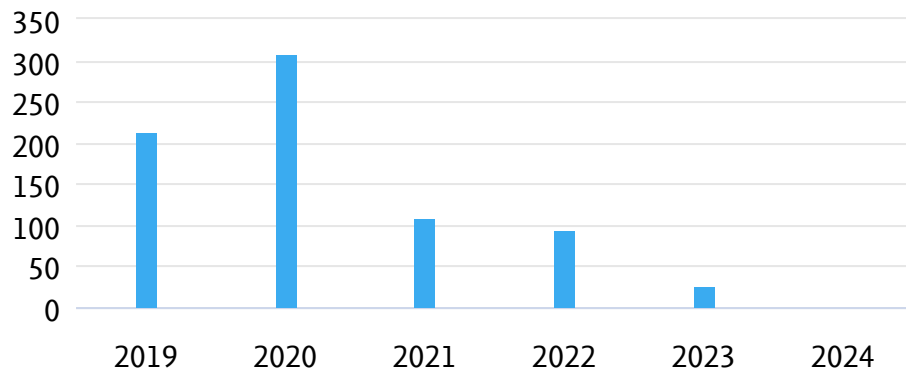**90**

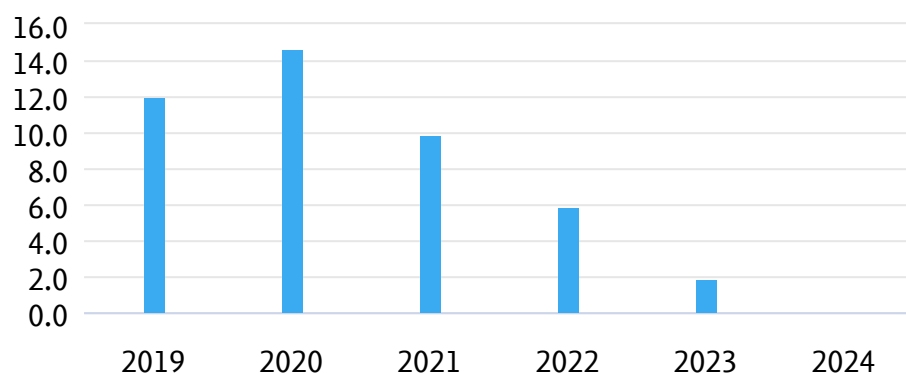number of publications by authors in SCEM (FQM-166)

⧄ Incomplete year

## Citation Count

350
300
250
200
150
100
50
0

2019  2020  2021  2022  2023  2024

Incomplete year

**755**

number of citations received by publications in SCEM (FQM-166)

## Citations per Publication

16.0
14.0
12.0
10.0
8.0
6.0
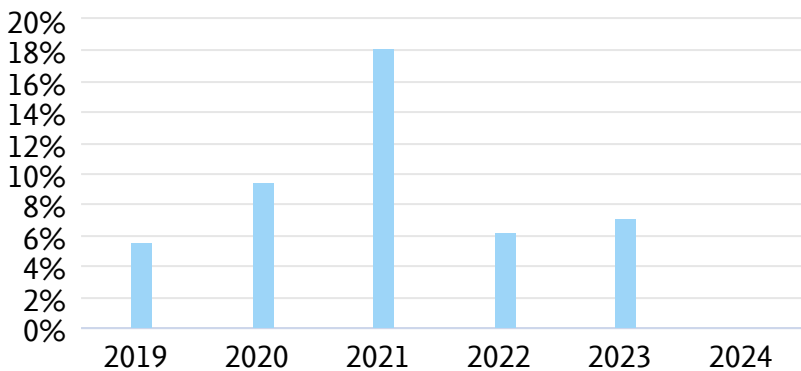4.0
2.0
0.0

2019  2020  2021  2022  2023  2024

Incomplete year

**8.4**

average number of citations per publication in SCEM (FQM-166)

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

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024

Share of publications in SCEM (FQM-166) that are among the most cited publications worldwide
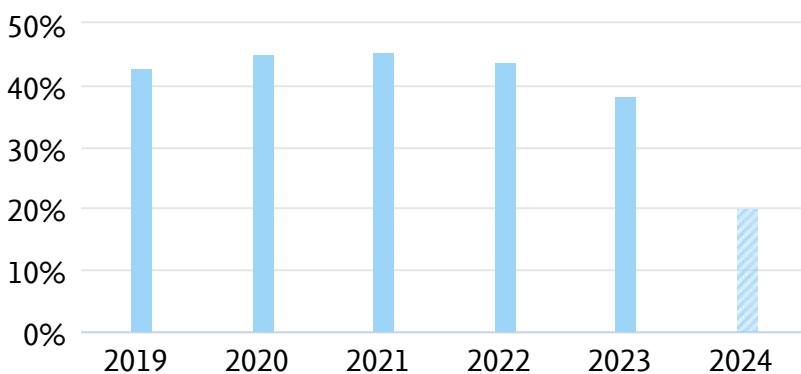**field-weighted**



# 7 (7.8%)

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

- ■ % publications in top 10% most cited
- ■ % publications in top 1% most cited
- ▨ Incomplete year

Publications in Top Journal Percentiles by CiteScore Percentile

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024

Share of publications in SCEM (FQM-166) that are in the top journals by CiteScore Percentile
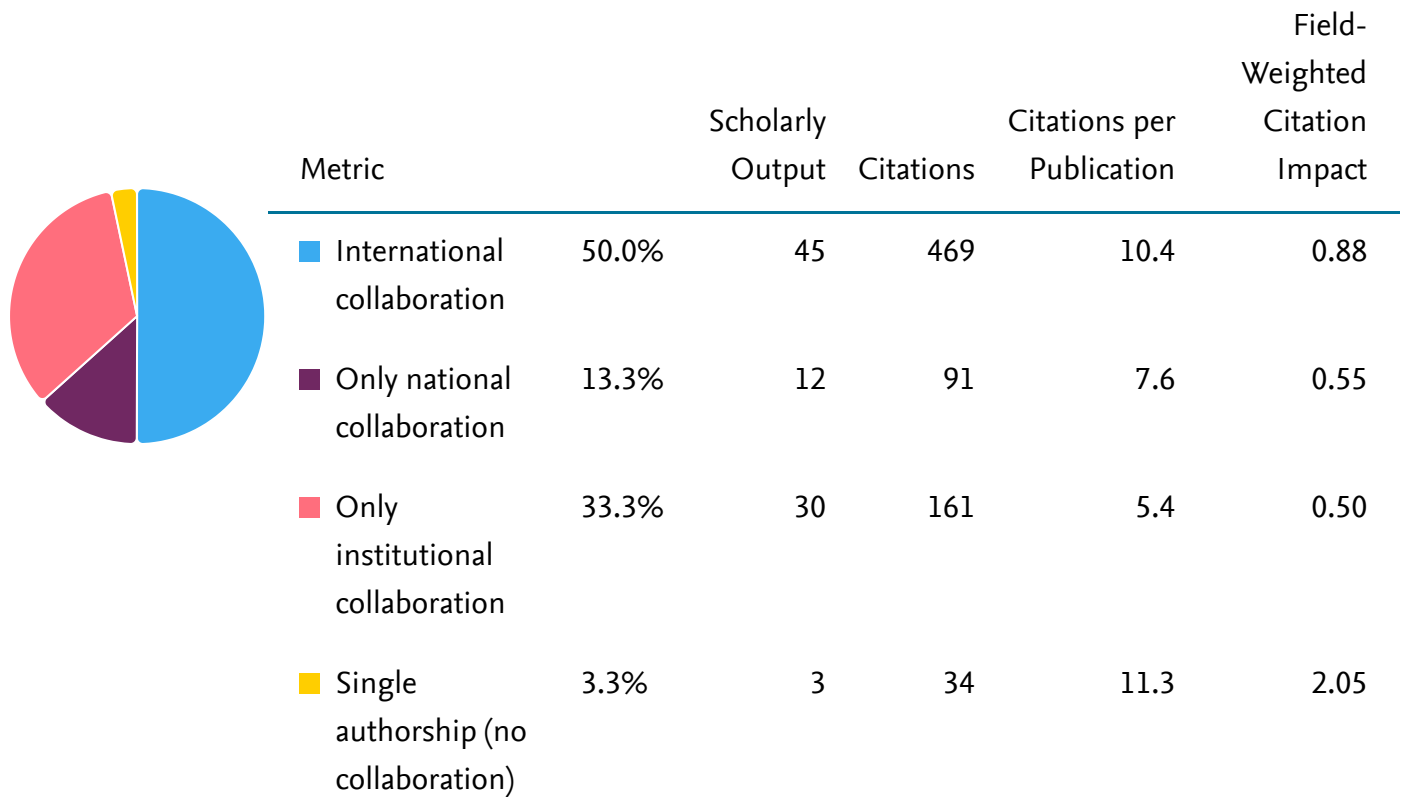


# 34 (40.5%)

number of publications in the top 10% journals by CiteScore

- ■ % publications in top 10% journals
- ■ % publications in top 1% journals
- ▨ Incomplete year

## Geographical Collaboration - Overall

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024
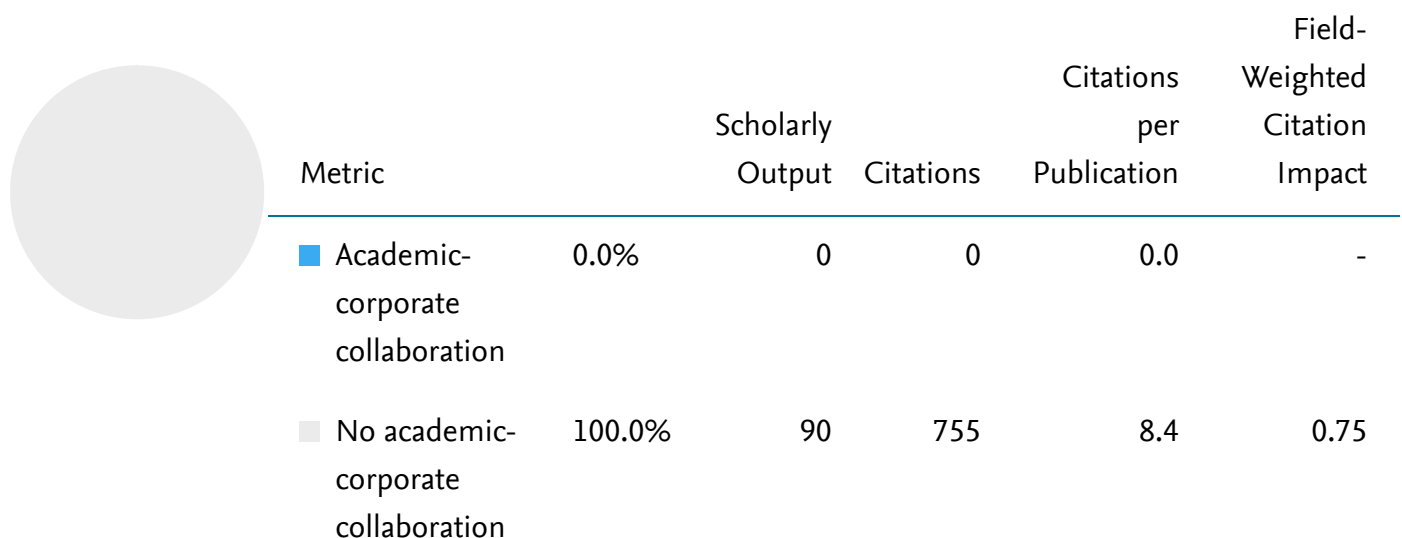
International, national and institutional collaboration by in SCEM (FQM-166) in the selected year range.

| Metric | | Scholarly Output | Citations | Citations per Publication | Field-Weighted Citation Impact |
|---|---|---|---|---|---|
| ■ International collaboration | 50.0% | 45 | 469 | 10.4 | 0.88 |
| ■ Only national collaboration | 13.3% | 12 | 91 | 7.6 | 0.55 |
| ■ Only institutional collaboration | 33.3% | 30 | 161 | 5.4 | 0.50 |
| ■ Single authorship (no collaboration) | 3.3% | 3 | 34 | 11.3 | 2.05 |

## Academic-Corporate Collaboration

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024

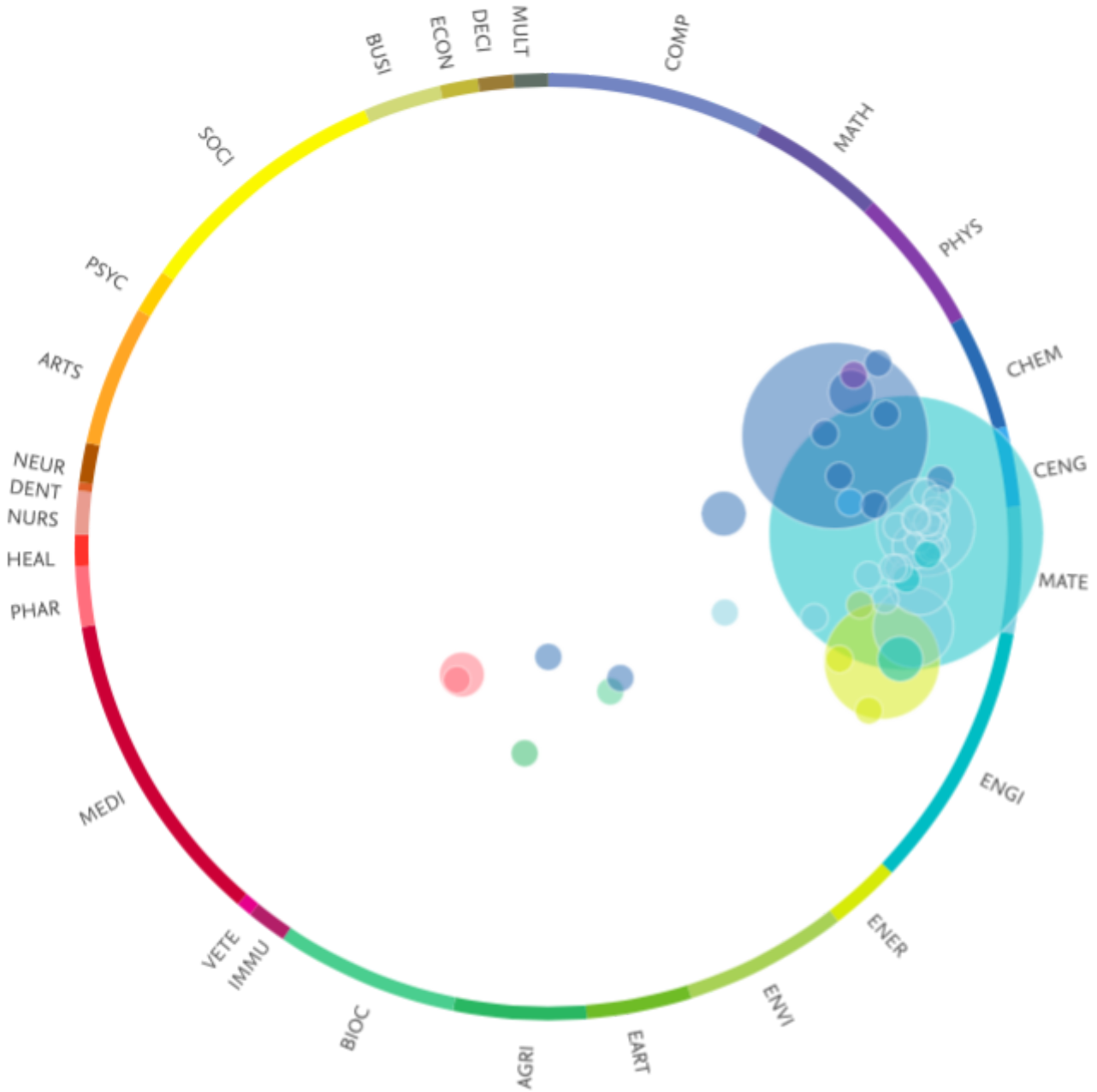Scholarly Output in SCEM (FQM-166) with both academic and corporate author affiliations

| Metric | | Scholarly Output | Citations | Citations per Publication | Field-Weighted Citation Impact |
|---|---|---|---|---|---|
| ■ Academic-corporate collaboration | 0.0% | 0 | 0 | 0.0 | - |
| ■ No academic-corporate collaboration | 100.0% | 90 | 755 | 8.4 | 0.75 |

# Topics

Entity: SCEM (FQM-166) · Within: All subject areas (ASJC) · Year range: 2019 to 2024 · Data source: Scopus, up to 19 Jun 2024

○○○ Bubble size: Scholarly Output of this Researcher Group

⊙ 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 |

## Topics

| Topic | By this Group of Researchers | | Worldwide |
| --- | --- | --- | --- |
| | Scholarly Output | Field-Weighted Citation Impact | Prominence percentile |
| Nanofluid; Thermal Conductivity; Heat Convection<br>T.87 | 15 | 0.95 | 99.785 |
| Density Functional Theory; Electronegativity; Chemical Reactivity<br>T.4614 | 10 | 0.95 | 88.009 |
| Nanofluid; Solar Collector; Ethylene<br>T.20463 | 6 | 0.97 | 98.316 |
| Nanocrystalline Material; Quantum Dot; Perovskite<br>T.719 | 5 | 0.26 | 99.921 |
| Heat Storage; Nanoparticle; Molten Salt<br>T.13555 | 4 | 1.18 | 96.250 |
| Solar Cell; Grain Boundary; Perovskite<br>T.3 | 3 | 0.62 | 99.992 |
| Phase Change Material; Heat Storage; Differential Scanning Calorimetry<br>T.29 | 2 | 0.83 | 99.954 |
| Titanium Dioxide; Nanoparticle; Photocatalysis<br>T.47 | 2 | 0.37 | 98.650 |
| Antiinfective Agent; Endophytic Fungus; Aspergillus<br>T.2289 | 2 | 0.62 | 98.420 |
| Quantum Theory; Electron Density; Chemical Bonding<br>T.9726 | 2 | 0.20 | 88.201 |