

Organization Report

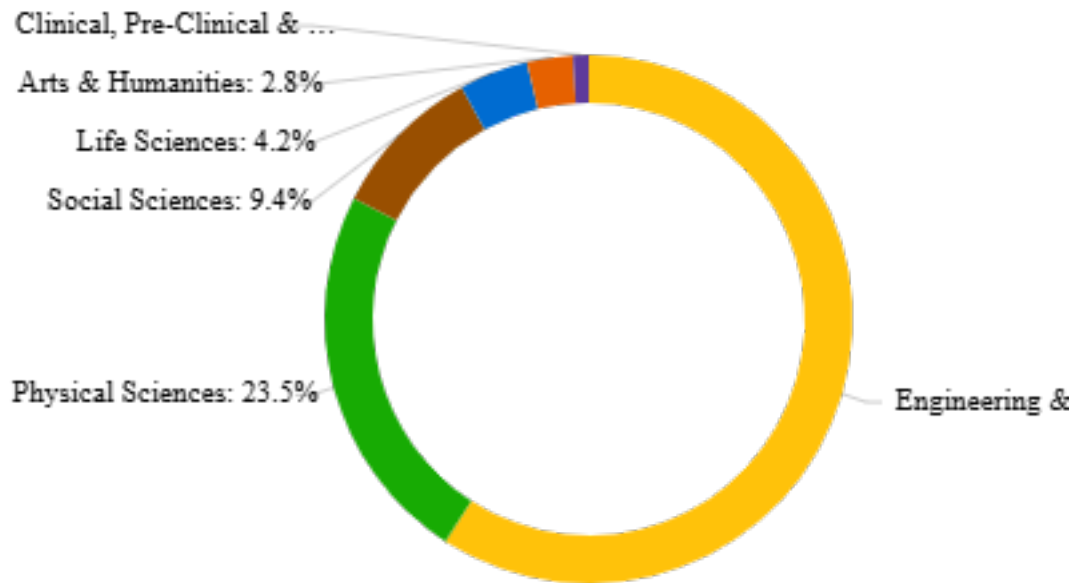
Visualize research, collaboration, and most cited documents across an Organization.

Filter by Organization: National Technical University Kharkiv Polytechnic Institute | Date range: 2019 - 2024 | Include ESCI documents

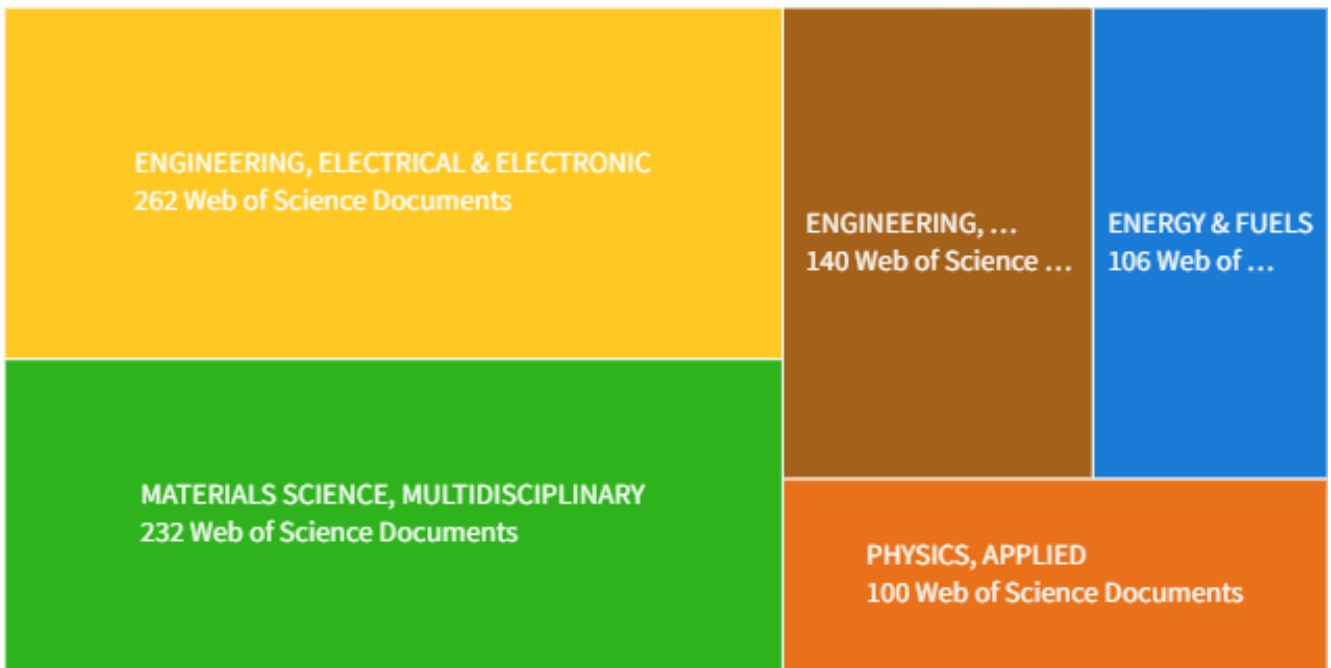
Research Performance

Overview

Documents Published by GIPP Research Areas In which research area are authors publishing most?



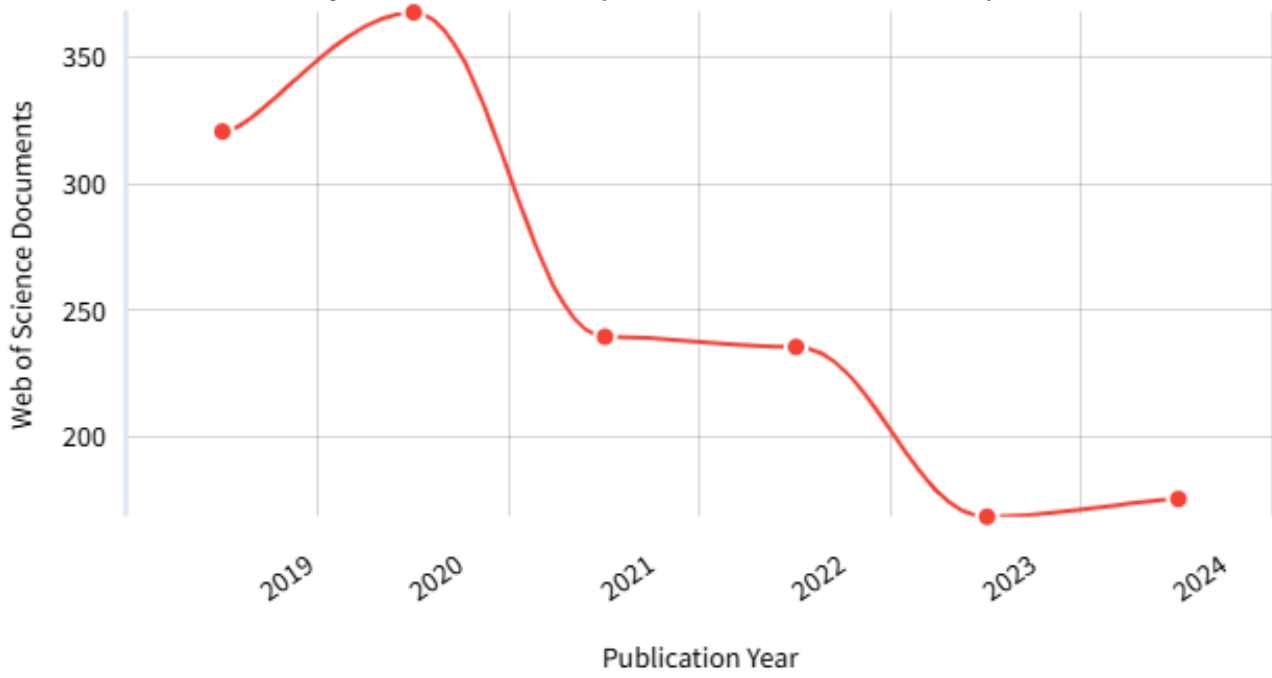
Documents Published by WoS Categories In which categories are authors publishing most?



Box size indicates number of Web of Science Documents

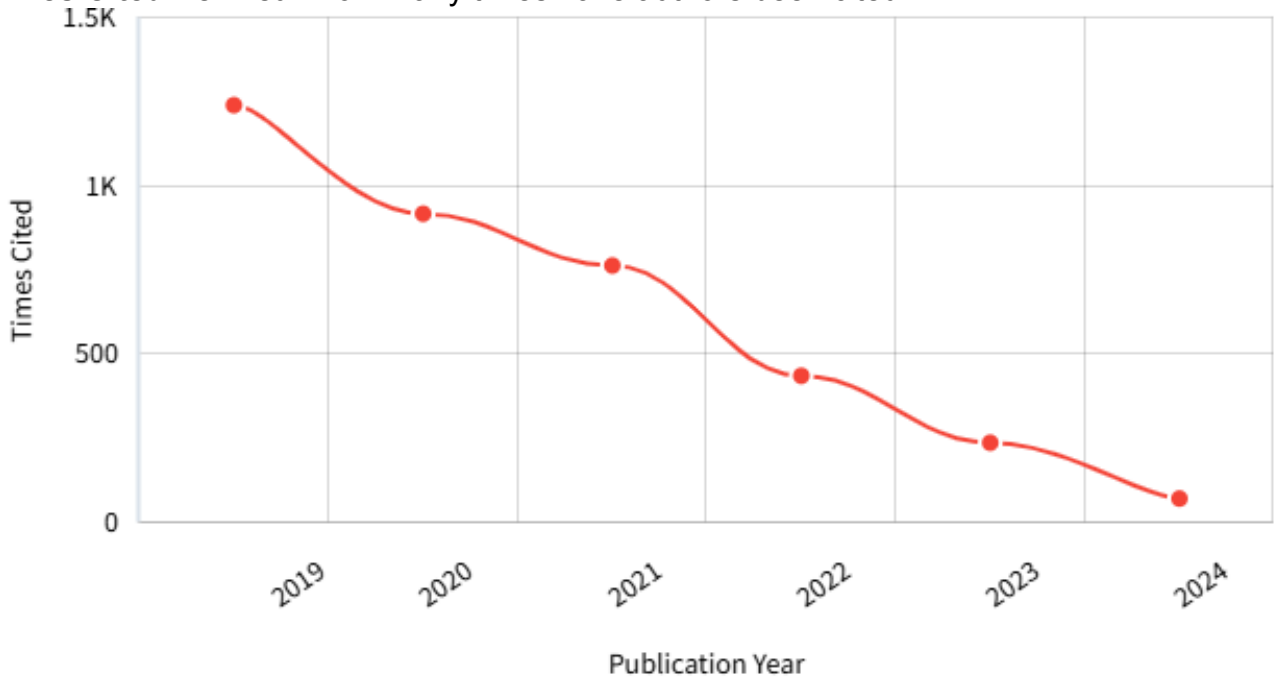
Production

Documents Published per Year How many documents have authors published?



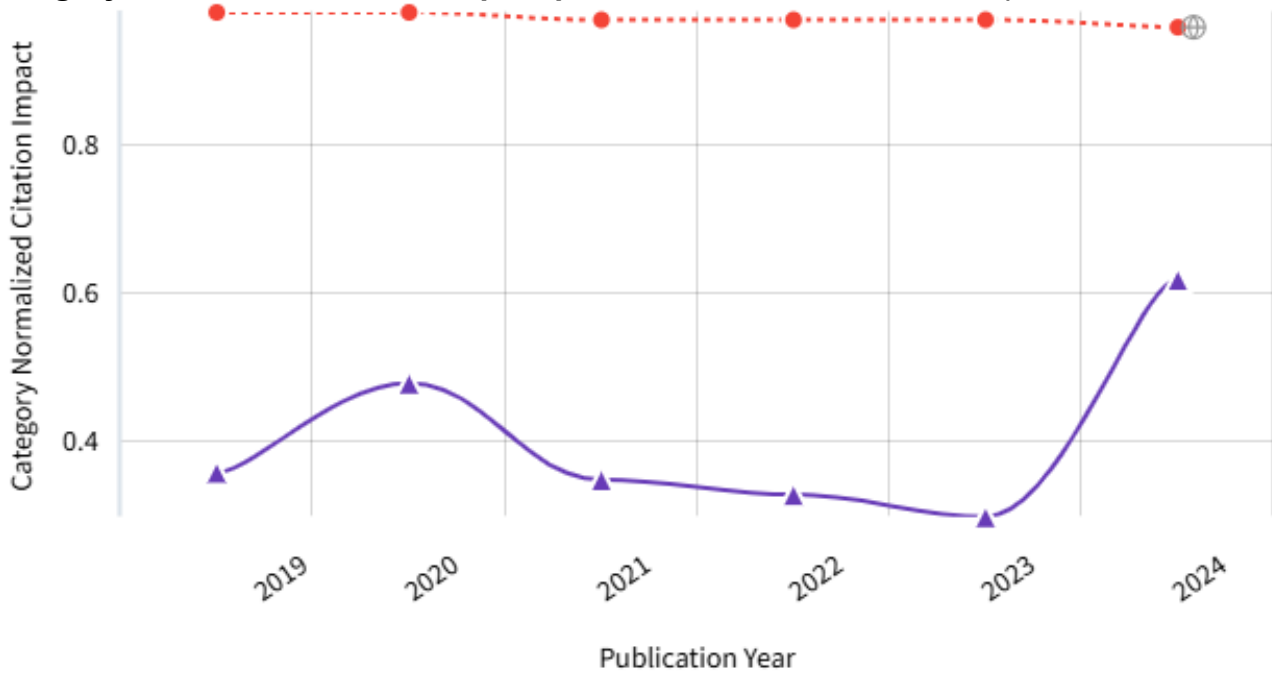
-●- National Technical University Kharkiv Polytechnic Institute

Times Cited Per Year How many times have authors been cited?



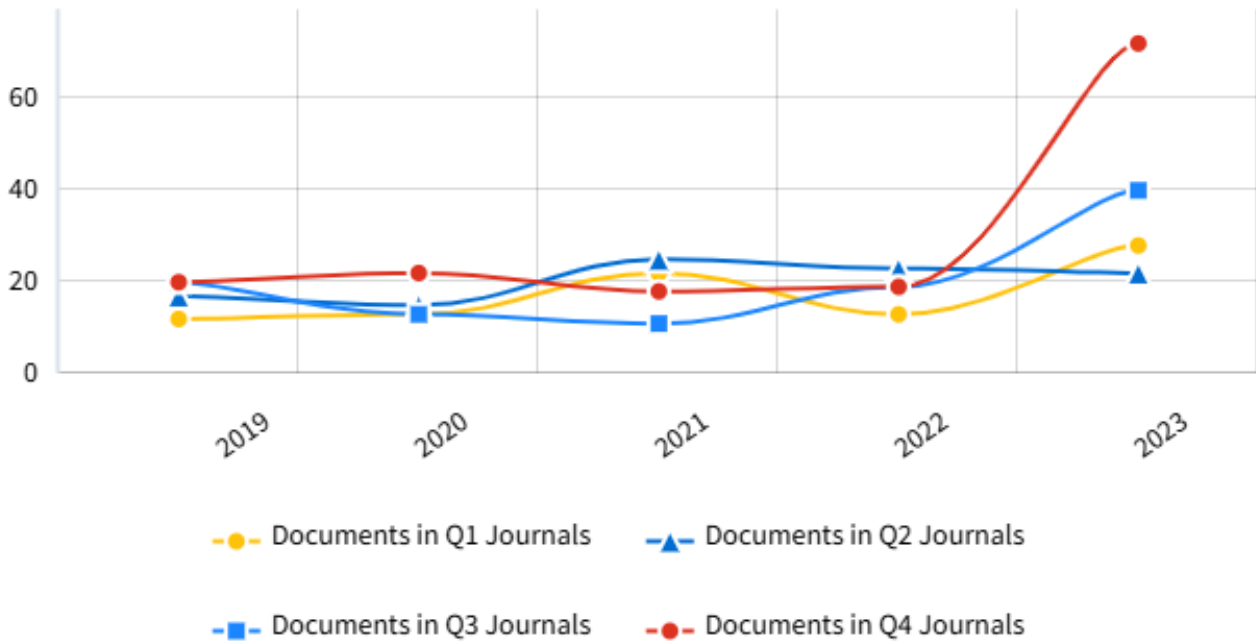
-●- National Technical University Kharkiv Polytechnic Institute

Category Normalized Citation Impact per Year What is the citation impact?



🌐 Global Baseline —▲— National Technical University Kharkiv Polytechnic Institute

Documents Published per JIF Quartile per Year How many documents have authors published in highly cited journals?



% of Documents per JIF Quartile What percentage of documents have authors published in highly cited journals?



☰ Baseline for All Items

Category Normalized Citation Impact by GIPP Categories In which categories are authors having the most citation impact?



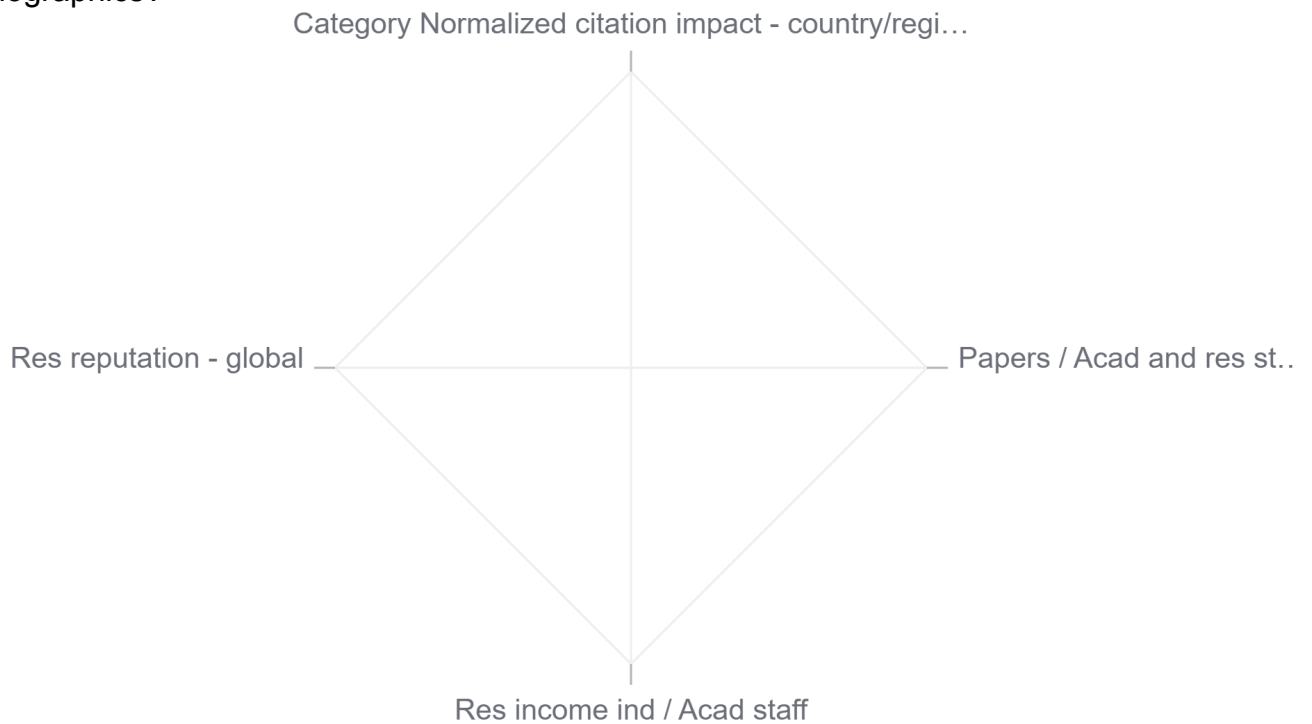
Box size indicates number of Category Normalized Citation Impact

Citation Topic Word Cloud The micro citation topic word cloud based on the Organization



Reputation Survey

Research Indicators How does documents published and citation impact compare to institution demographics?



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Teaching Indicators How does teaching reputation compare to institution demographics?

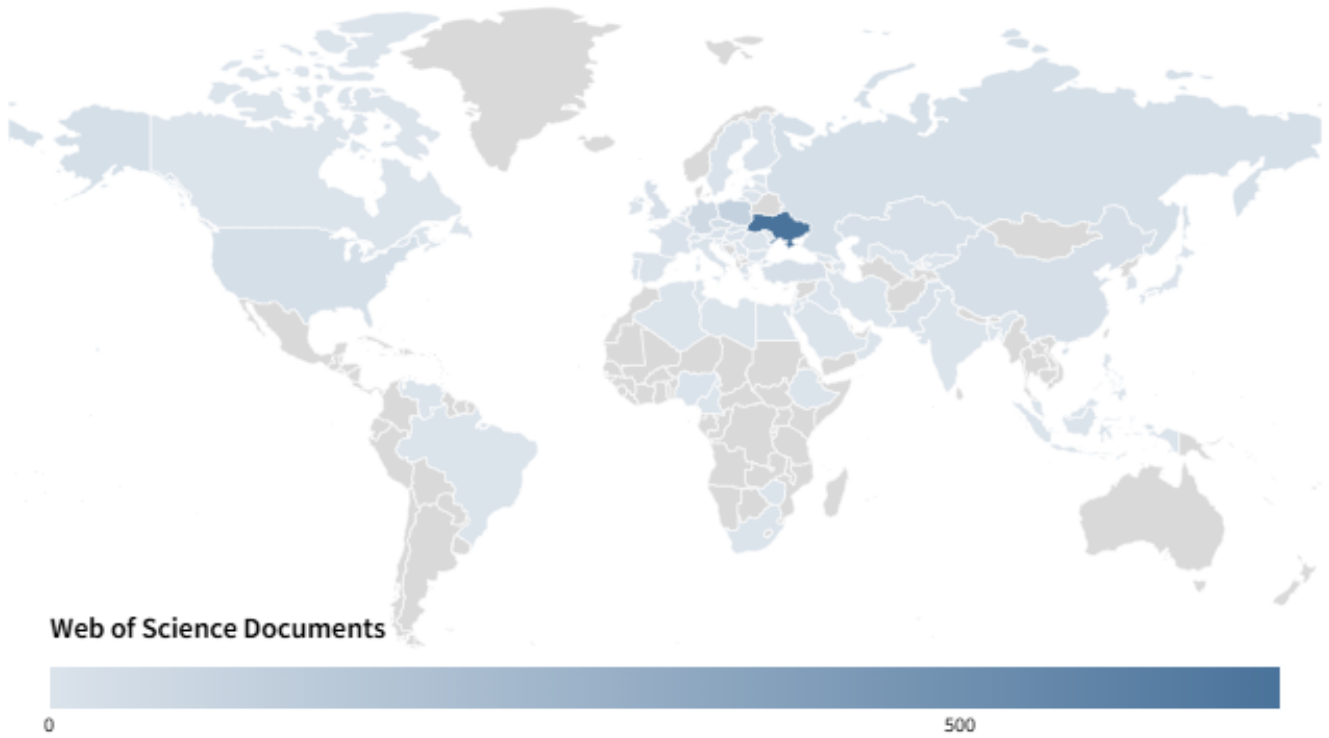


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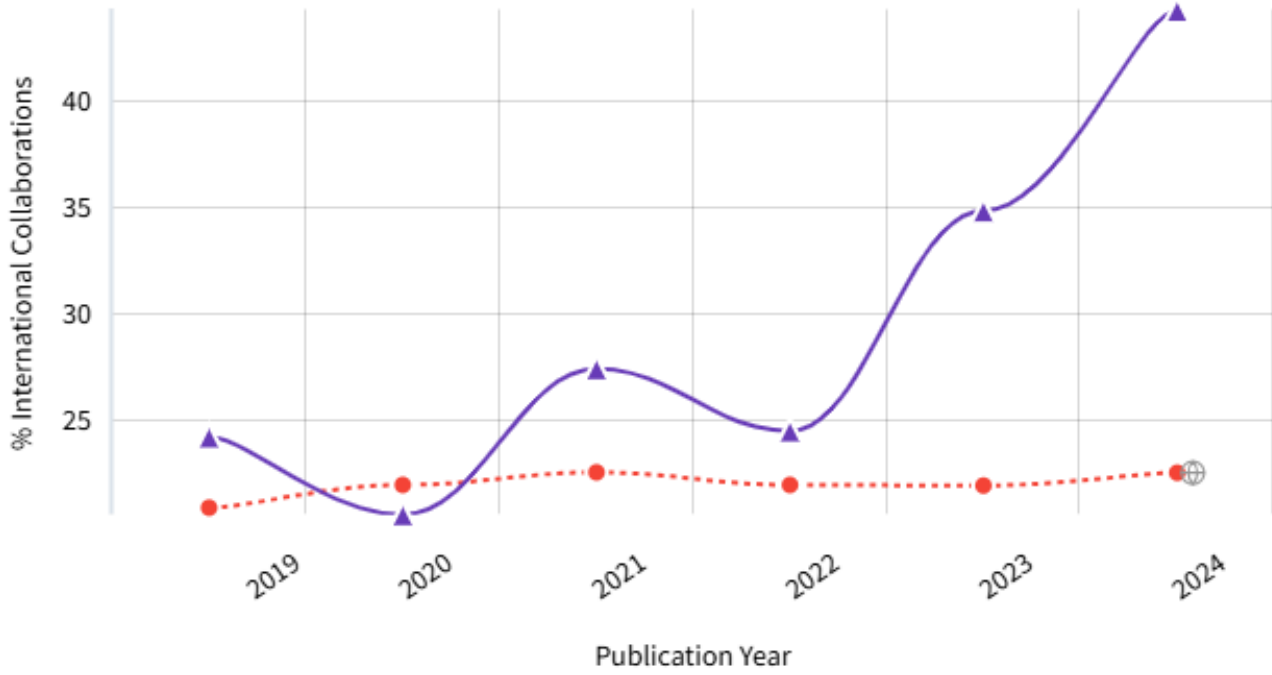
Collaboration

International Collaboration

Collaborations by Country/ Region Where are co-authors located?



% International Collaborations per Year Are international collaborations more frequent than the global and country average?



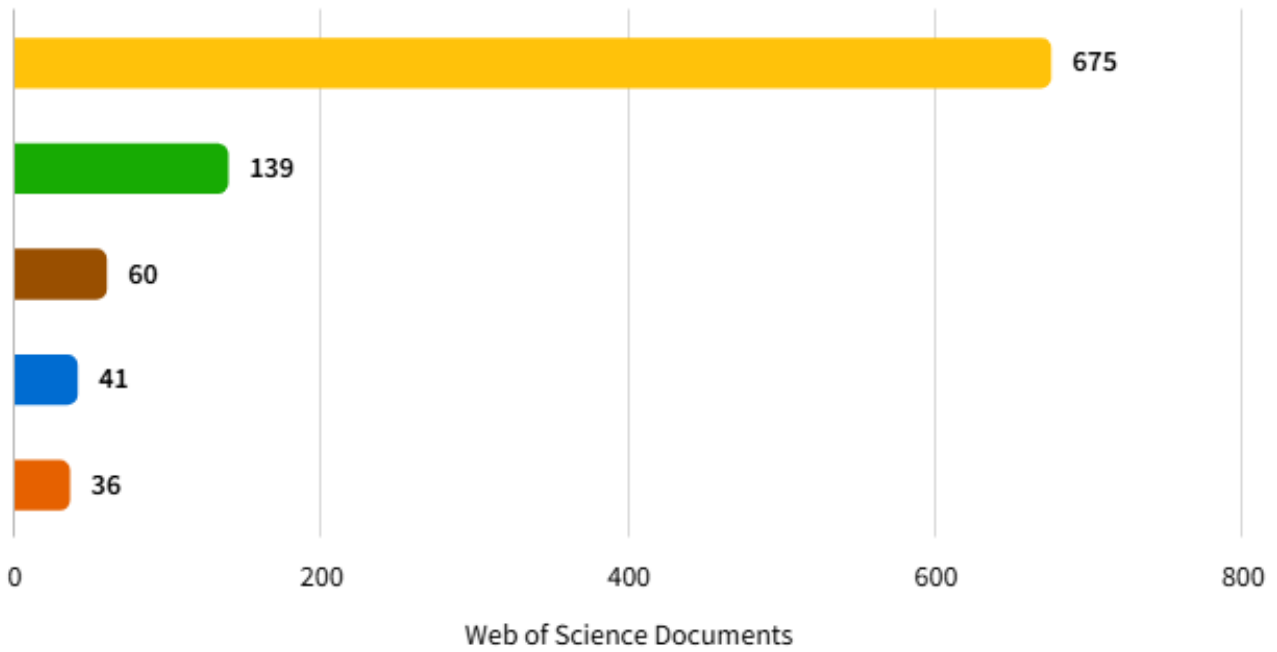
🌐 Global Baseline —▲— National Technical University Kharkiv Polytechnic Institute

Collaborations by Country and Research Area Are international collaborations focused in particular research areas and regions?

MATERIALS SCIENCE, MULTIDISCIPLINARY	120	20	4	21	3	0	2	4	7	6
PHYSICS, APPLIED	77	17	4	11	2	0	0	2	5	4
ENGINEERING, ELECTRICAL & ELECTRONIC	74	6	1	6	1	0	2	1	2	1
PHYSICS, CONDENSED MATTER	24	11	1	4	1	0	0	1	4	2
MECHANICS	58	24	3	11	5	0	0	1	4	5
ENGINEERING, MECHANICAL	59	13	3	4	3	0	1	0	5	2
PHYSICS, MULTIDISCIPLINARY	15	4	0	3	1	0	0	2	4	1
PHYSICS, NUCLEAR	41	2	2	3	1	0	0	0	1	0
NANOSCIENCE & NANOTECHNOLOGY	19	3	2	6	0	0	0	1	1	0
ENERGY & FUELS	44	7	2	5	6	0	1	0	14	0
	UKRAINE	POLAND	RUSSIA	GERMANY (FED REP GER)	USA	USSR	KAZAKHSTAN	FRANCE	CZECH REPUBLIC	UNITED KINGDOM

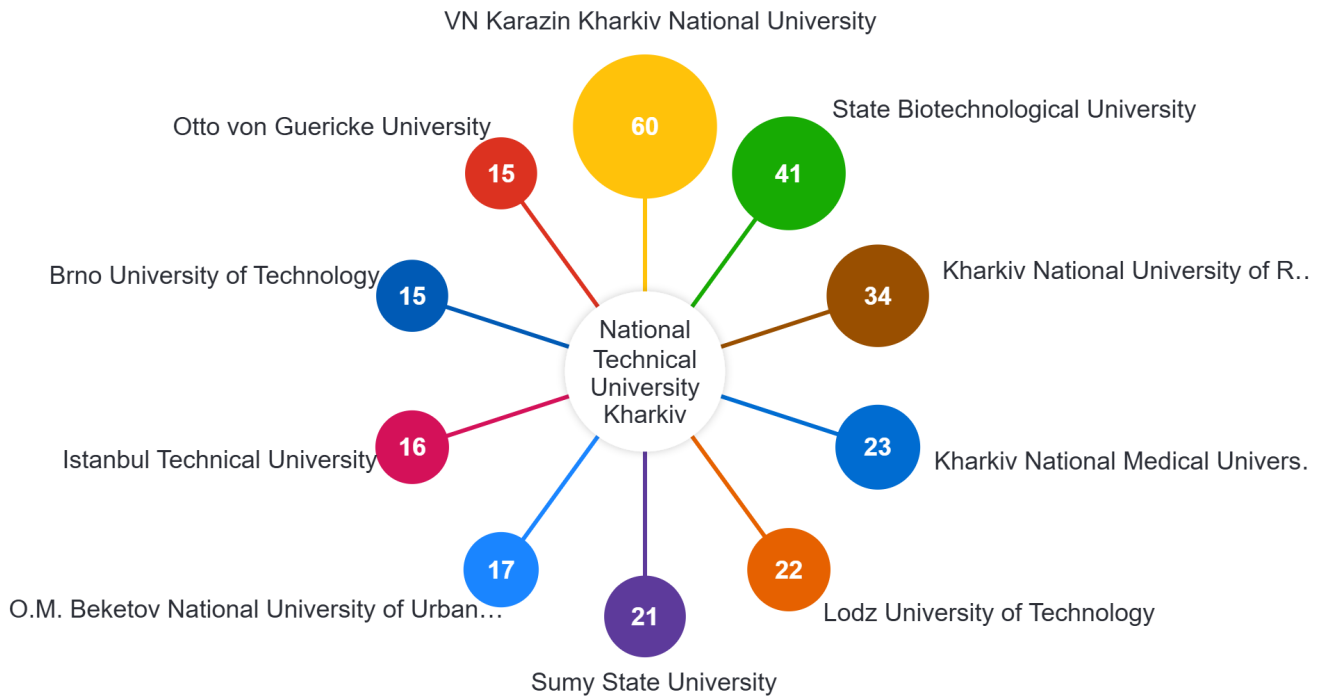
Collaborating Institutions

Top Collaborating Organizations Who are most frequent collaborating organizations?



- Ministry of Education & Science of Ukraine
- National Academy of Sciences Ukraine
- VN Karazin Kharkiv National University
- State Biotechnological University
- Kharkov Institute of Physics & Technology

Top Collaborating Academic Organizations Who are most frequent collaborating academic organizations?



Reputation Survey

International Mix How does international collaboration compare to the institution's international demographics?

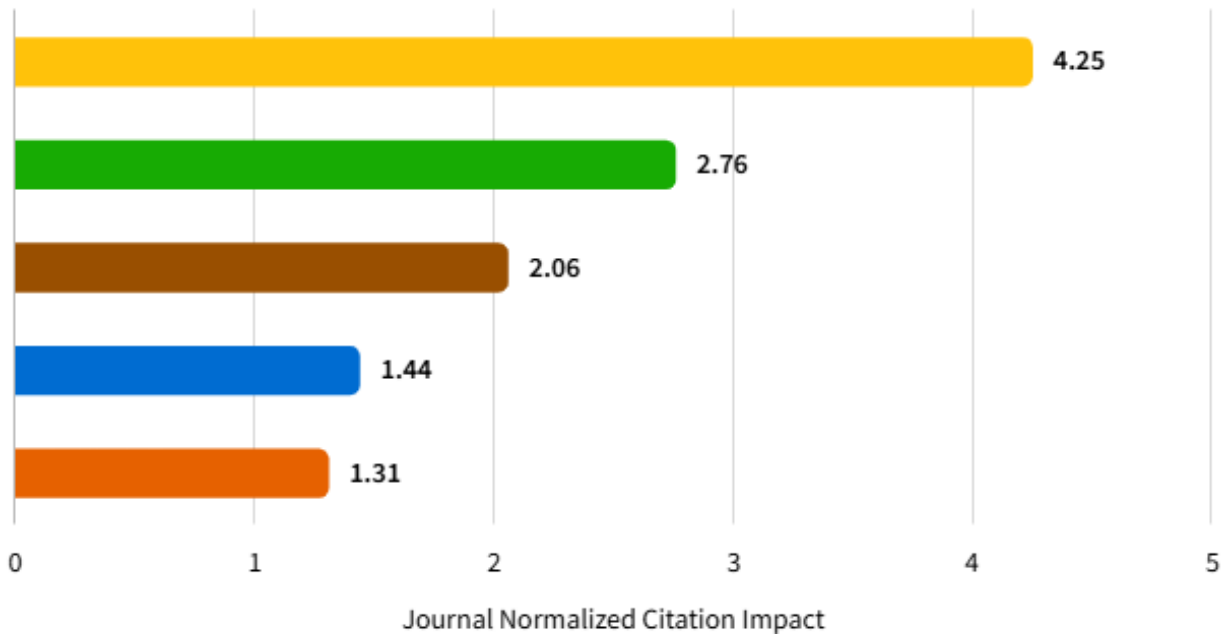


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Journal Utilization

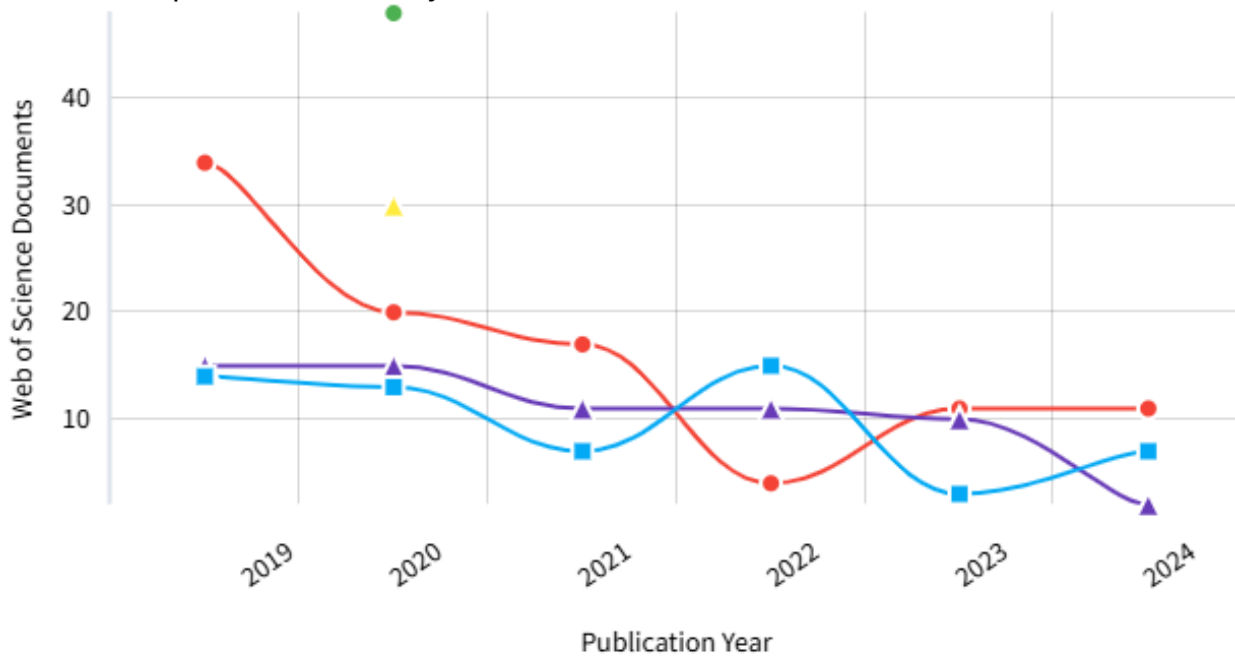
Journal Performance

In which journals do National Technical University Kharkiv Polytechnic Institute authors outperform the average journal citation rate? Journals are ranked by Journal Normalized Citation Impact, identifying journals where the selected institution is having the most impact with respect to other documents published in the journal.



- INTEGRATED COMPUTER TECHNOLOGIES IN MECHANICAL ENGINEERING-2023, VOL 1, ICTM 2023
- MATERIALS SCIENCE
- UKRAINIAN METROLOGICAL JOURNAL
- ADVANCES IN DESIGN, SIMULATION AND MANUFACTURING II
- COKE AND CHEMISTRY

In which journals do National Technical University Kharkiv Polytechnic Institute authors publish most frequently? Journals are ranked by the number of documents the selected institution has published in each journal.



- ELECTRICAL ENGINEERING & ELECTROMECHANICS
- ▲- FUNCTIONAL MATERIALS
- PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY
- 2020 IEEE KHPI WEEK ON ADVANCED TECHNOLOGY (KHPI WEEK)
- ▲- 2020 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT ENERGY AND POWER SYSTEMS (IEPS)

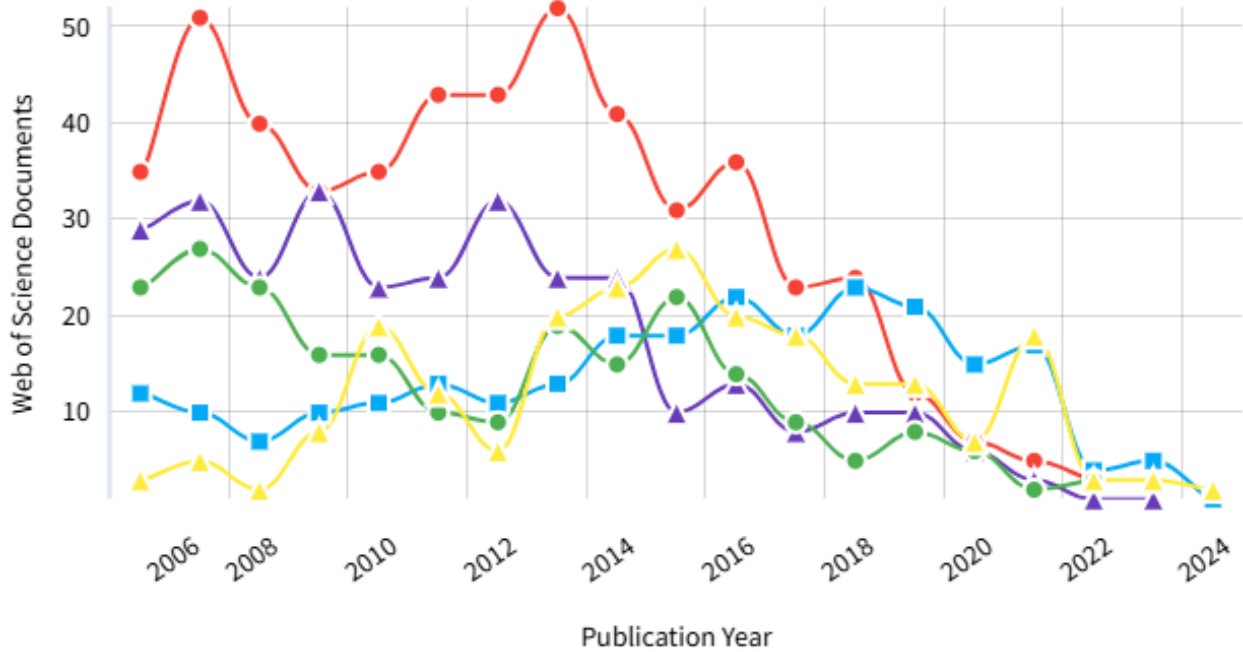
Cited Journals

Which journals are National Technical University Kharkiv Polytechnic Institute authors citing? Cited journals are ranked by the number of Web of Science documents cited by the selected institution and includes documents cited 2006 to present by documents published within the time period selected.



Box size indicates number of Web of Science Documents

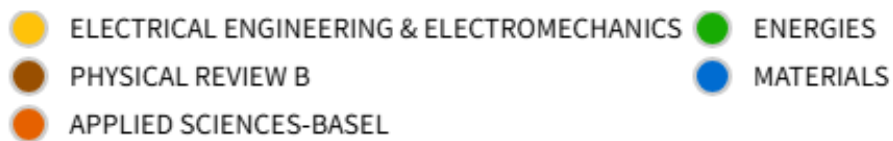
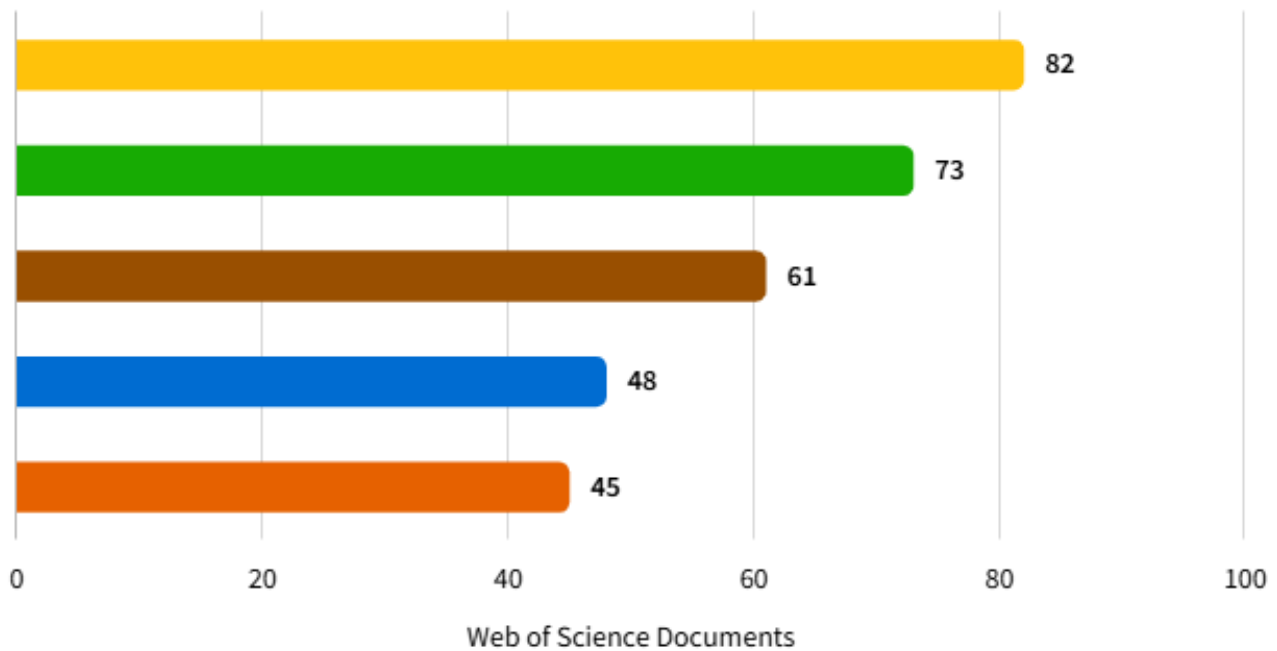
Are National Technical University Kharkiv Polytechnic Institute authors citing recent or older material? Cited journals are ranked by the number of Web of Science documents cited by selected institution. Included are documents cited 2006 to present by documents published 2006 to present irrespective of the time period selected.



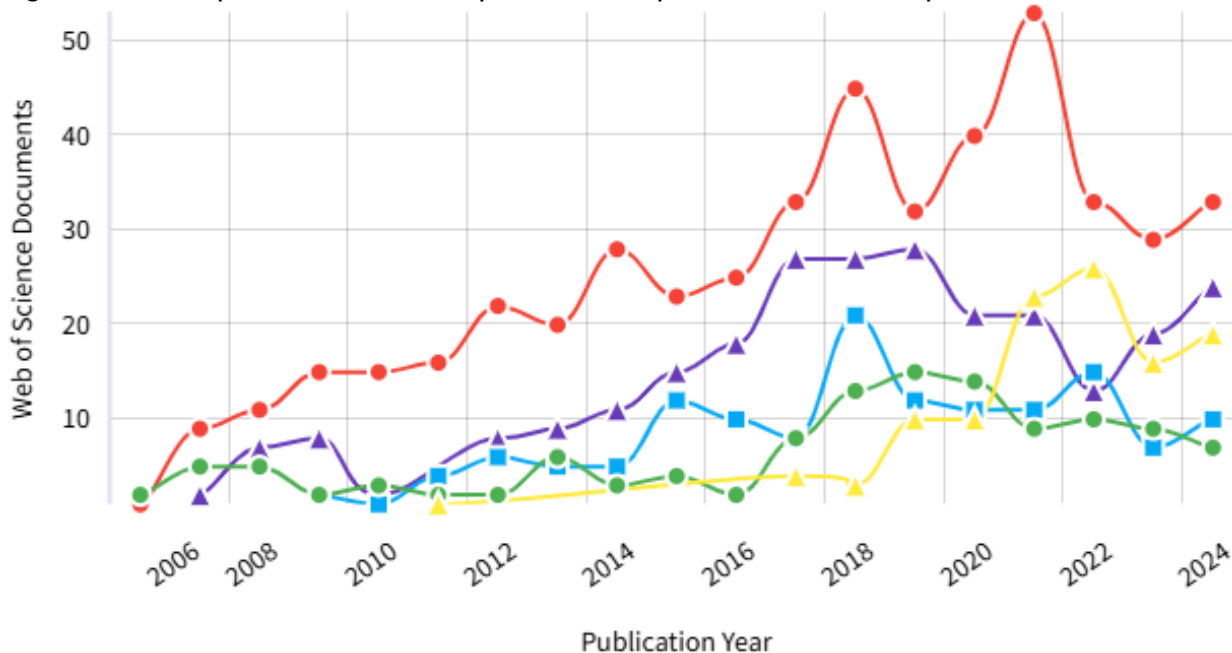
- PHYSICAL REVIEW B
- ▲— PHYSICAL REVIEW LETTERS
- ELECTRICAL ENGINEERING & ELECTROMECHANICS
- SURFACE & COATINGS TECHNOLOGY
- ▲— COMPOSITE STRUCTURES

Citing Journals

Which journals are citing National Technical University Kharkiv Polytechnic Institute authors? Citing journals are ranked by the number of Web of Science documents citing selected institution and includes documents published 2006 to present that are citing documents published within the time period selected.



Are National Technical University Kharkiv Polytechnic Institute authors being cited by recent or older material? Citing journals are ranked by the number of Web of Science documents citing selected institution. Included are documents published 2006 to present that are citing documents published 2006 to present irrespective of the time period selected.



- PHYSICAL REVIEW B
- ▲ ELECTRICAL ENGINEERING & ELECTROMECHANICS
- PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY
- FUNCTIONAL MATERIALS
- ▲ MATERIALS

Most Cited Documents

Most Cited Web of Science Documents

Article Title	Times Cited
Large magnetic gap at the Dirac point in Bi₂Te₃/MnBi₂Te₄ heterostructures NATURE 2019	196
COVID-19 vaccinations: The unknowns, challenges, and hopes JOURNAL OF MEDICAL VIROLOGY 2021	80
Free vibrations and static analysis of functionally graded sandwich plates with three-dimensional finite elements MECCANICA 2020	40
Parameter Identification of Cutting Forces in Crankshaft Grinding Using Artificial Neural Networks MATERIALS 2020	39
Increasing of Equipment Efficiency by Intensification of Technological Processes PERIODICA POLYTECHNICA-MECHANICAL ENGINEERING 2019	34
Application of phenol-cresol-formaldehyde resin as an adhesion promoter for bitumen and asphalt concrete ROAD MATERIALS AND PAVEMENT DESIGN 2020	31
Horizon Detection From Electro-Optical Sensors Under Maritime Environment IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT 2020	31
An approach for pillow plate heat exchangers design for single-phase applications APPLIED THERMAL ENGINEERING 2019	31
Analyses of duck curve phenomena potential in polish PV prosumer households' installations ENERGY REPORTS 2021	30
Adhesive contact problems for a thin elastic layer: Asymptotic analysis and the JKR theory MATHEMATICS AND MECHANICS OF SOLIDS 2019	30