

Organization Report

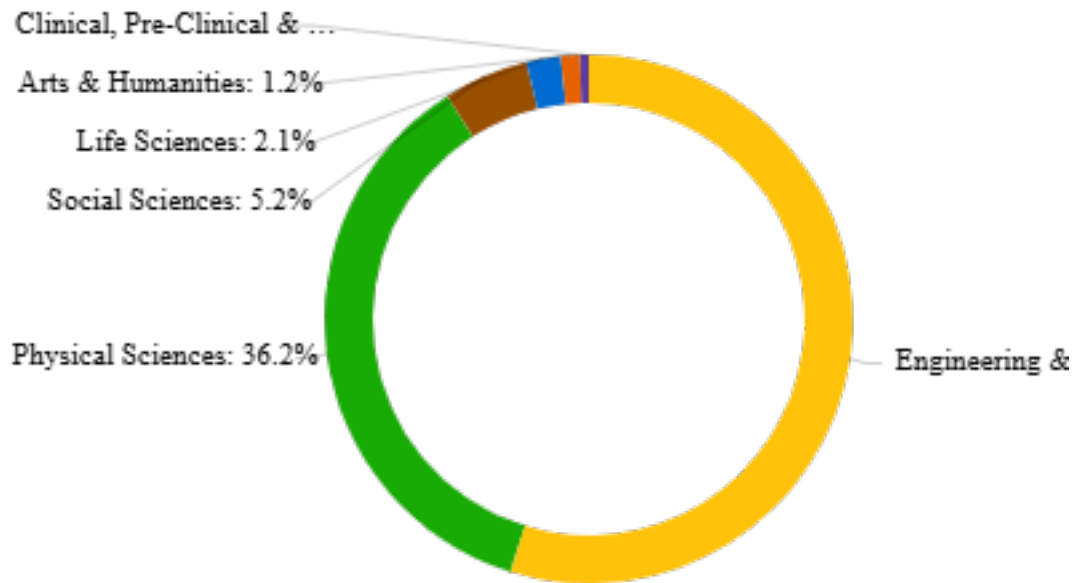
Visualize research, collaboration, and most cited documents across an Organization.

Filter by Organization: National Technical University Kharkiv Polytechnic Institute | Date range: 1980 - 2024 | Include ESCI documents

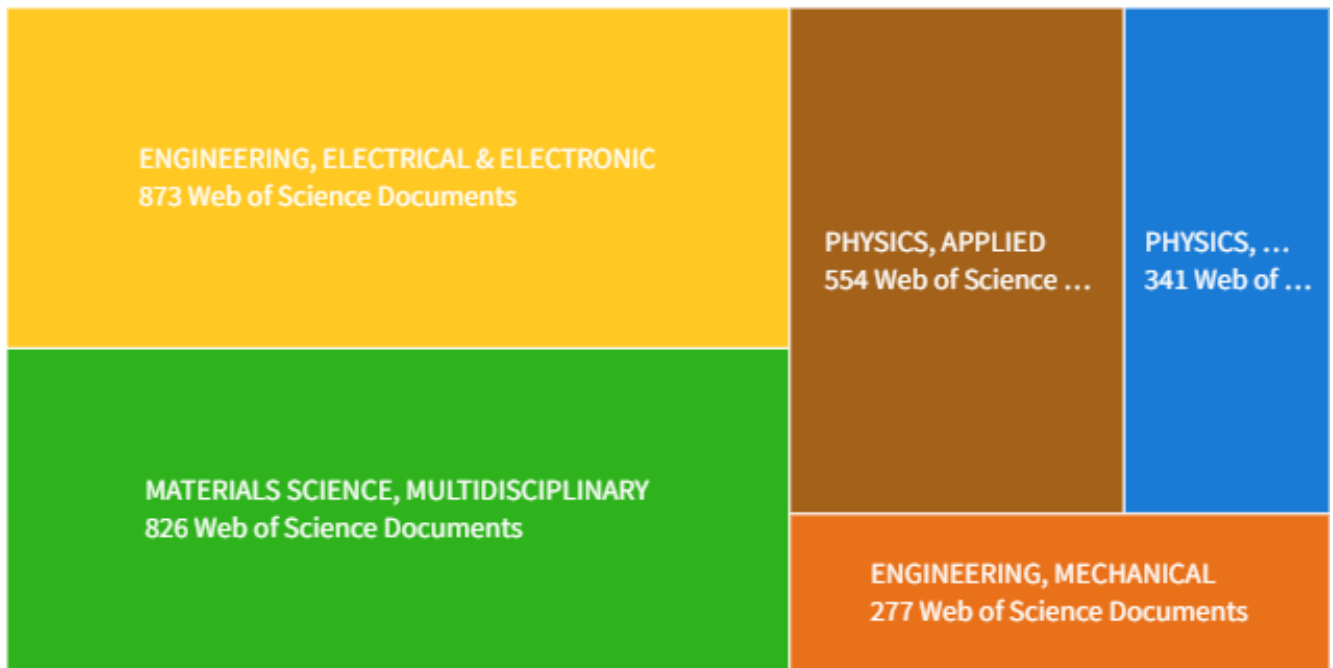
Research Performance

Overview

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



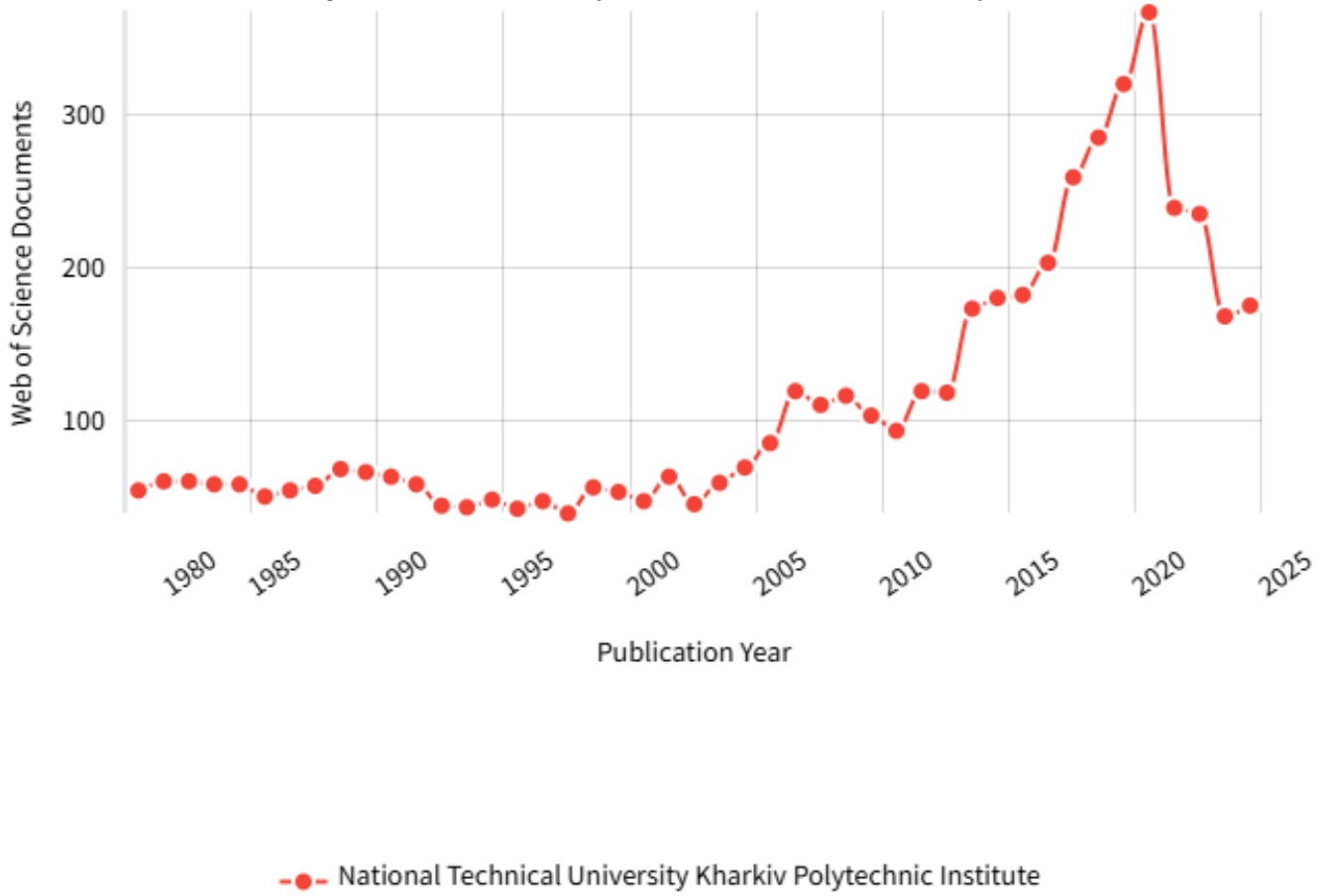
Documents Published by WoS Categories In which categories are authors publishing most?



Box size indicates number of Web of Science Documents

Production

Documents Published per Year How many documents have authors published?

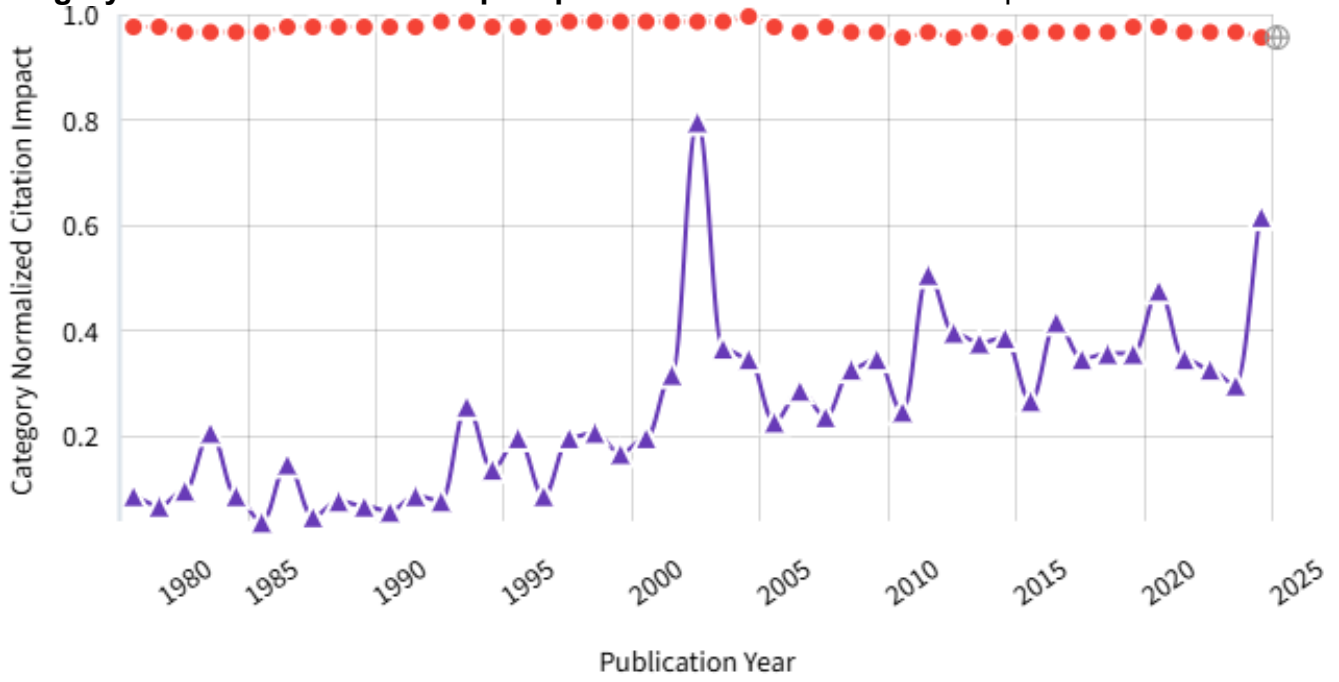


Times Cited Per Year How many times have authors been cited?



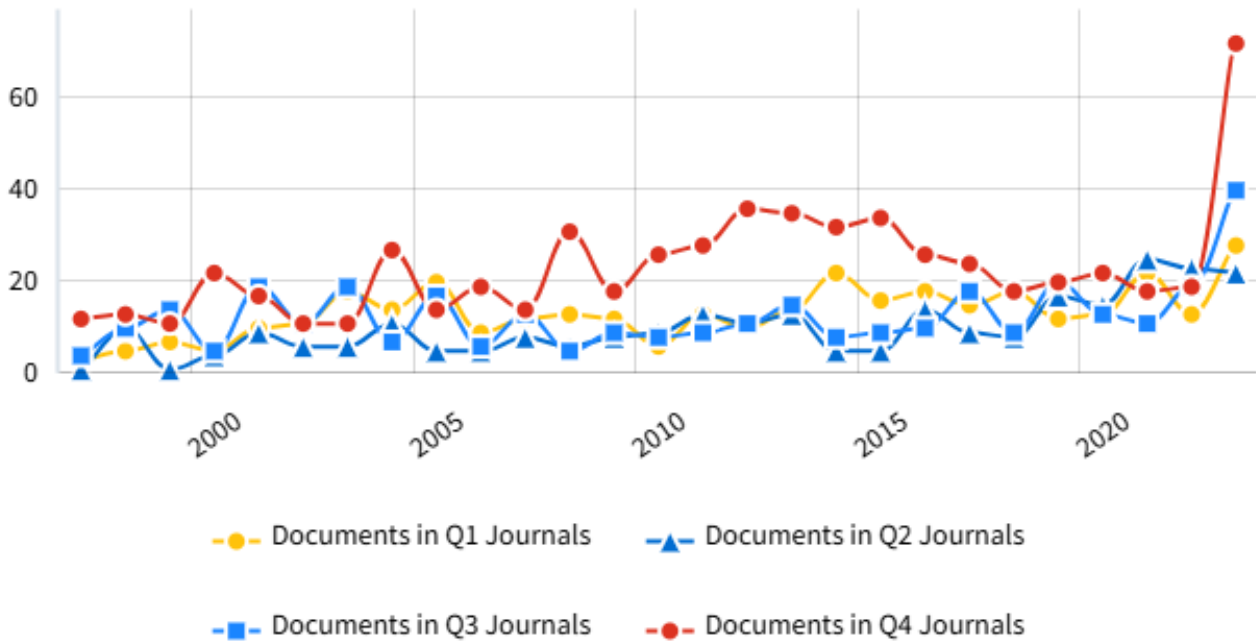
-●- National Technical University Kharkiv Polytechnic Institute

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



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

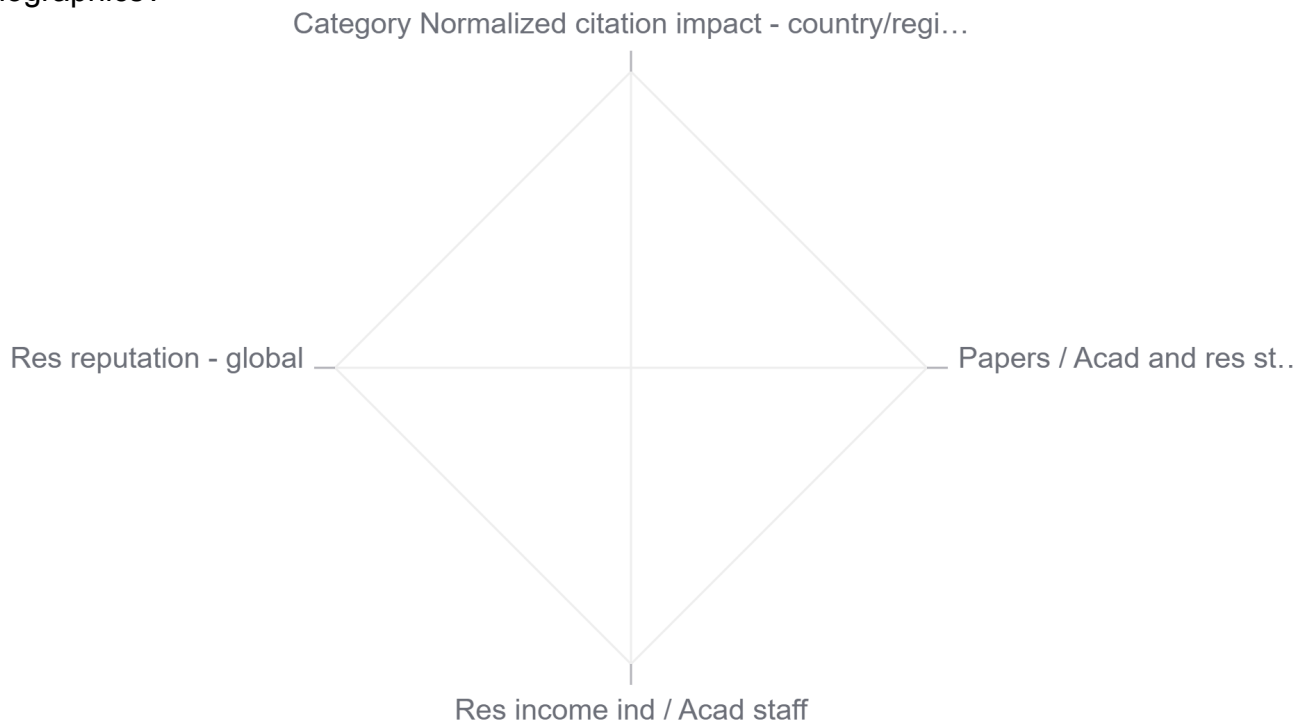
Documents Published per JIF Quartile per Year How many documents have authors published in highly cited journals?



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



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



● National Technical University Kharkiv Polytechnic Institute

Teaching Indicators How does teaching reputation compare to institution demographics?

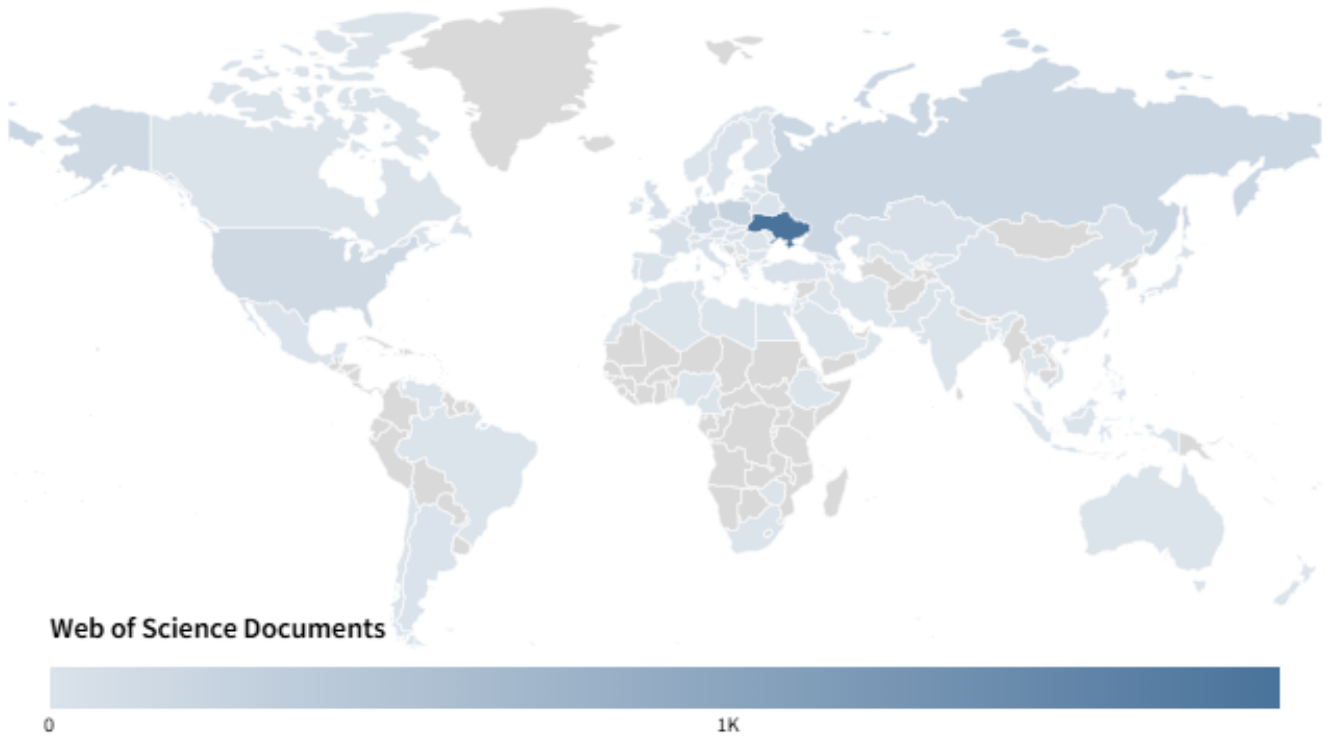


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Collaboration

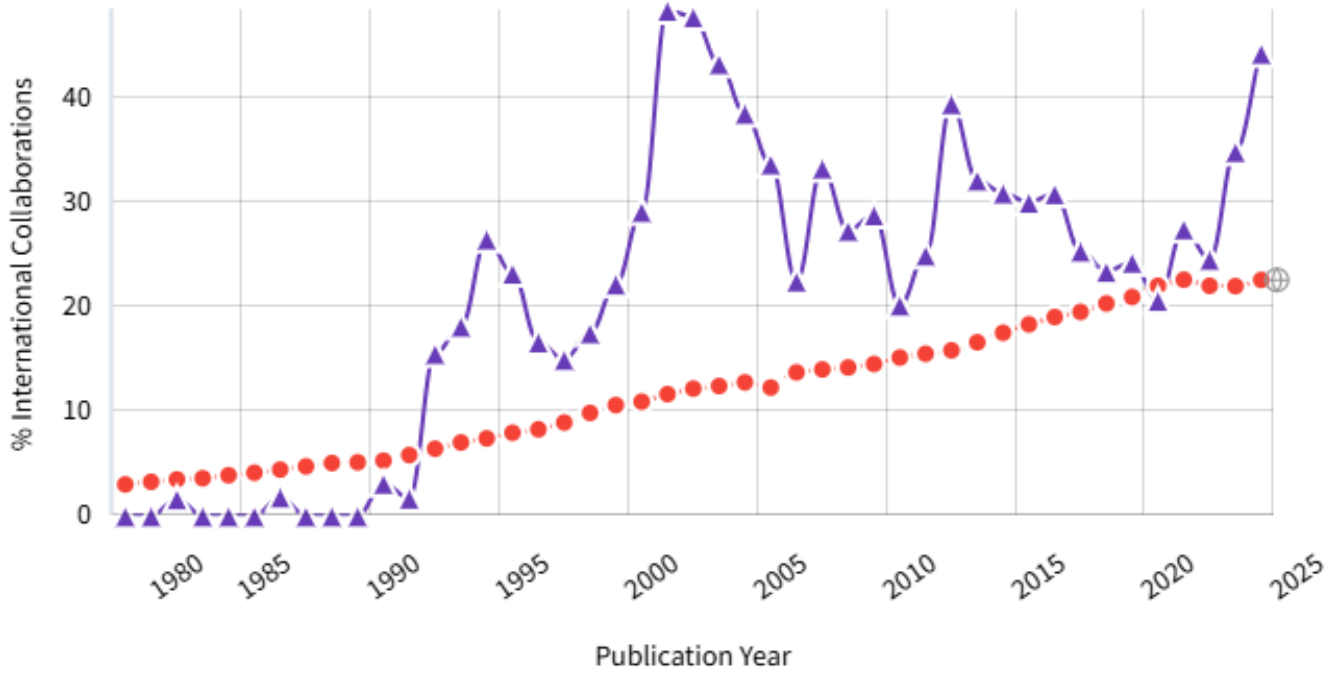
International Collaboration

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



% International Collaborations per Year

Are international collaborations more frequent than the global and country average?



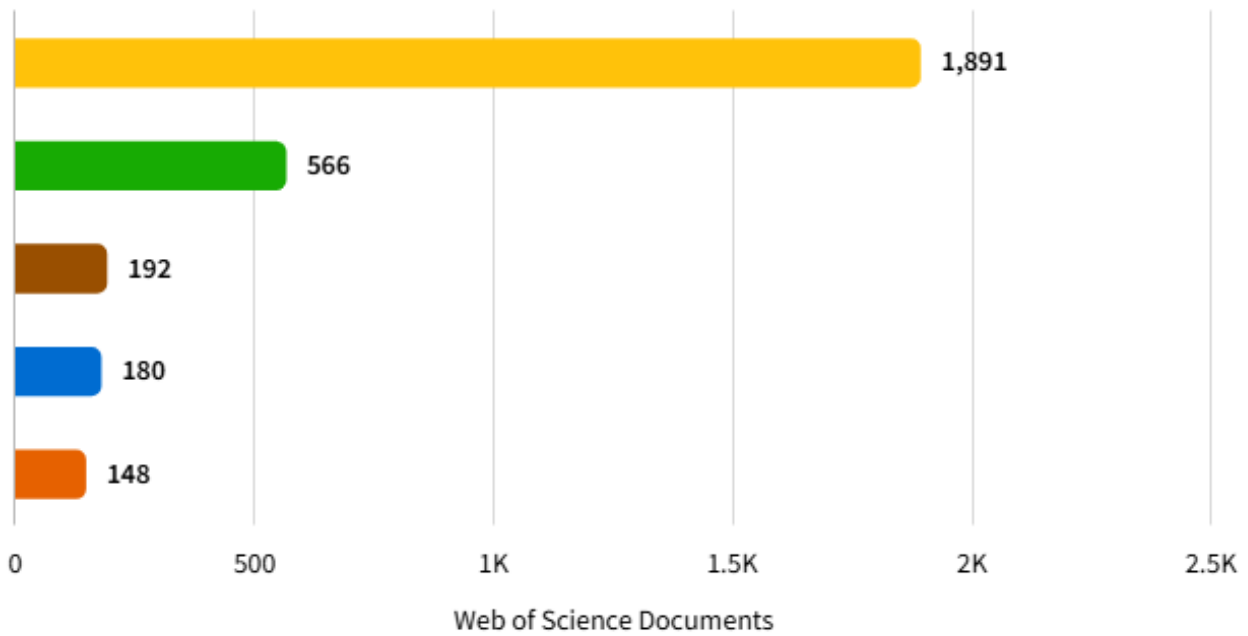
🌐 Global Baseline —▲— National Technical University Kharkiv Polytechnic Institute

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

MATERIALS SCIENCE, MULTIDISCIPLINARY	377	44	37	52	31	12	8	21	10	15
PHYSICS, APPLIED	352	33	42	38	49	16	8	15	9	15
ENGINEERING, ELECTRICAL & ELECTRONIC	199	7	12	13	17	4	4	5	3	2
PHYSICS, CONDENSED MATTER	176	25	15	28	29	7	5	13	8	7
MECHANICS	136	52	4	27	11	1	0	2	5	8
ENGINEERING, MECHANICAL	114	24	6	15	7	0	2	1	6	6
PHYSICS, MULTIDISCIPLINARY	102	29	13	12	7	12	2	7	4	2
PHYSICS, NUCLEAR	95	4	14	9	4	1	0	0	1	1
NANOSCIENCE & NANOTECHNOLOGY	89	7	21	8	8	0	1	6	2	1
ENERGY & FUELS	79	7	13	7	8	0	3	1	15	2
	UKRAINE	POLAND	RUSSIA	GERMANY (FED REP GER)	USA	USSR	KAZAKHSTAN	FRANCE	CZECH REPUBLIC	UNITED KINGDOM

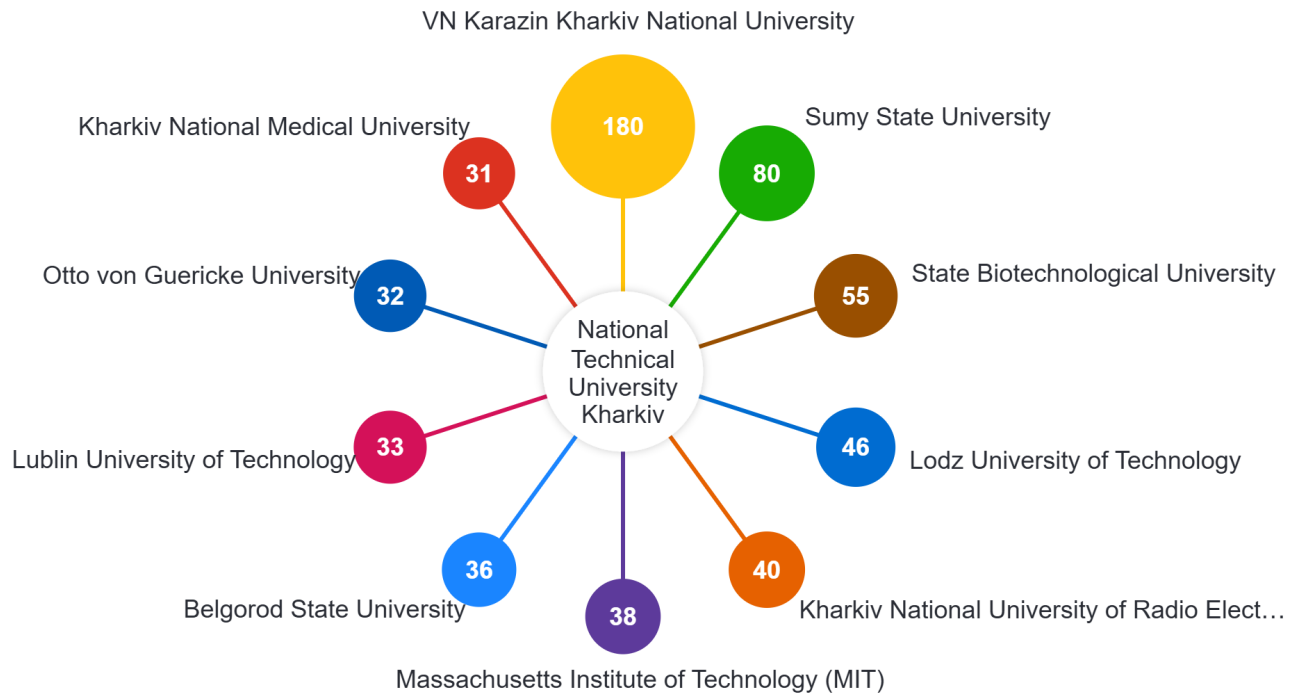
Collaborating Institutions

Top Collaborating Organizations Who are most frequent collaborating organizations?



- Ministry of Education & Science of Ukraine
- National Academy of Sciences Ukraine
- Kharkov Institute of Physics & Technology
- VN Karazin Kharkiv National University
- B. Verkin Institute for Low Temperature Physics & Engineering of the National Academy of Sciences of...

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?

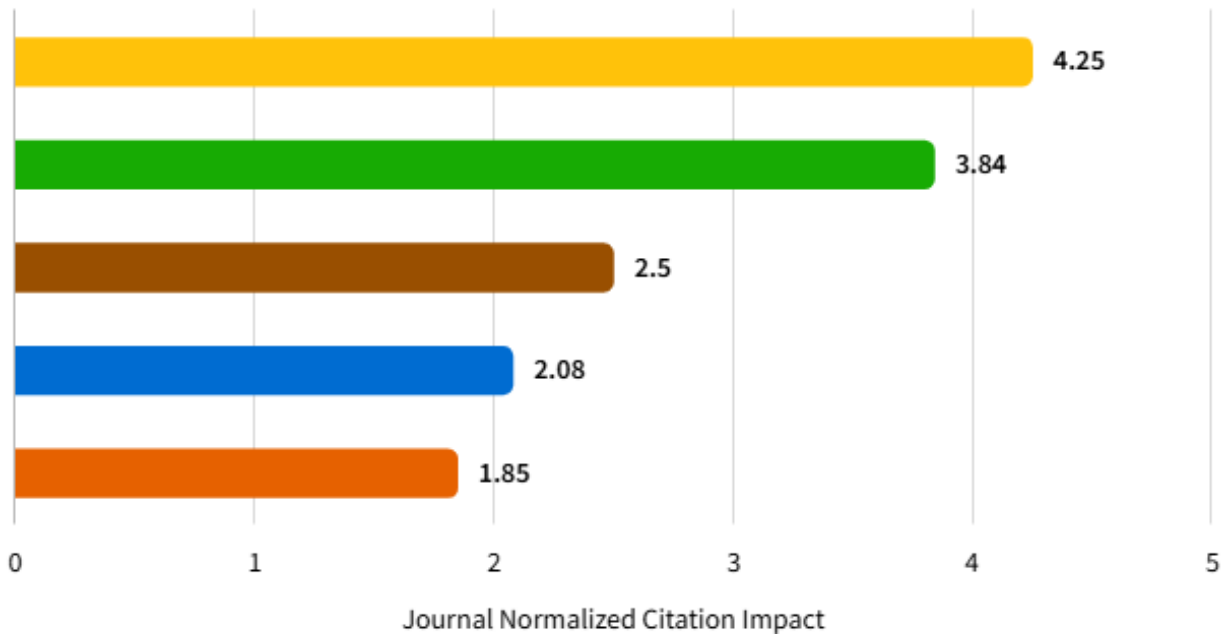


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Journal Utilization

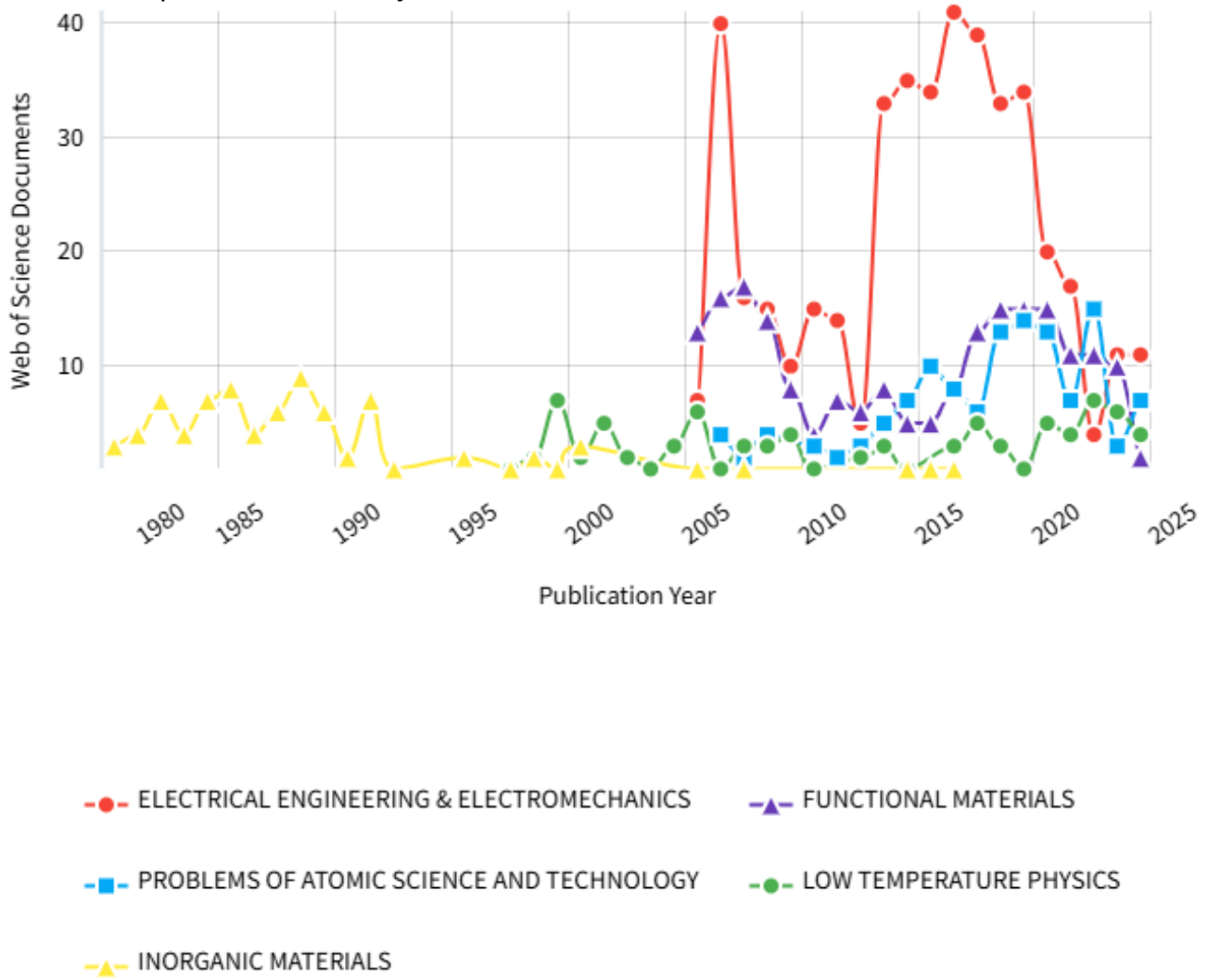
Journal Performance

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.



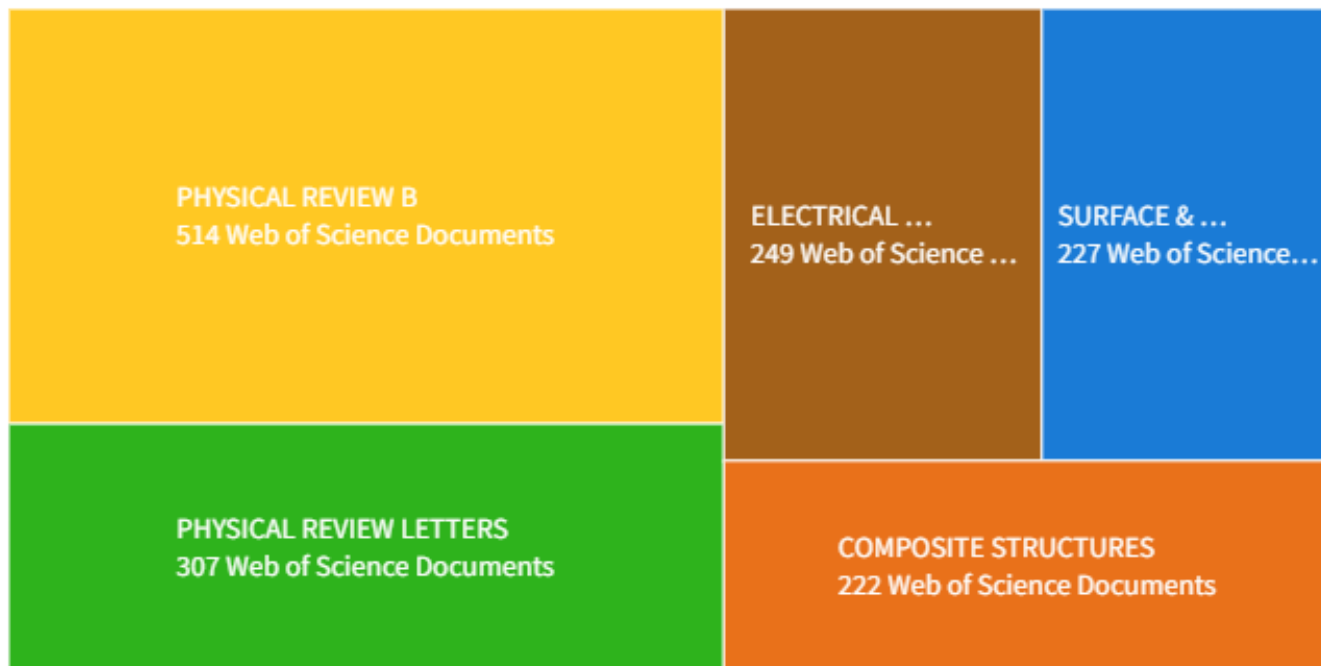
- INTEGRATED COMPUTER TECHNOLOGIES IN MECHANICAL ENGINEERING-2023, VOL 1, ICTM 2023
- TECHNICAL PHYSICS LETTERS
- INORGANIC MATERIALS
- PRZEGLAD ELEKTROTECHNICZNY
- UKRAINIAN METROLOGICAL JOURNAL

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.



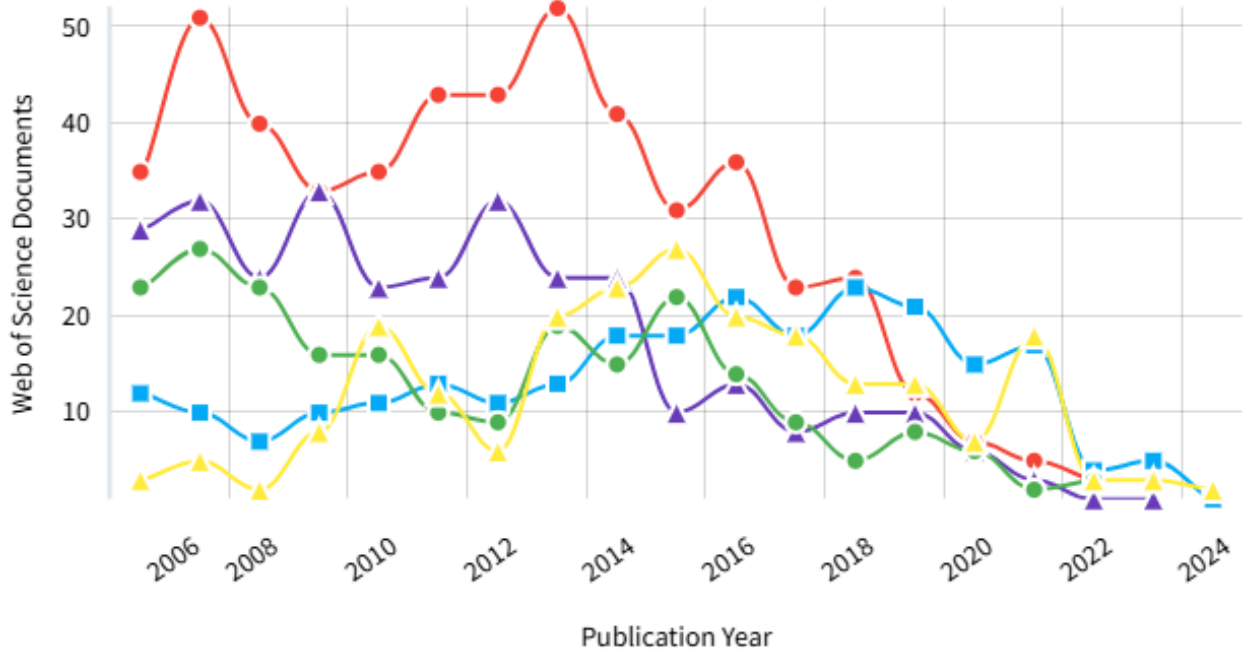
Cited Journals

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

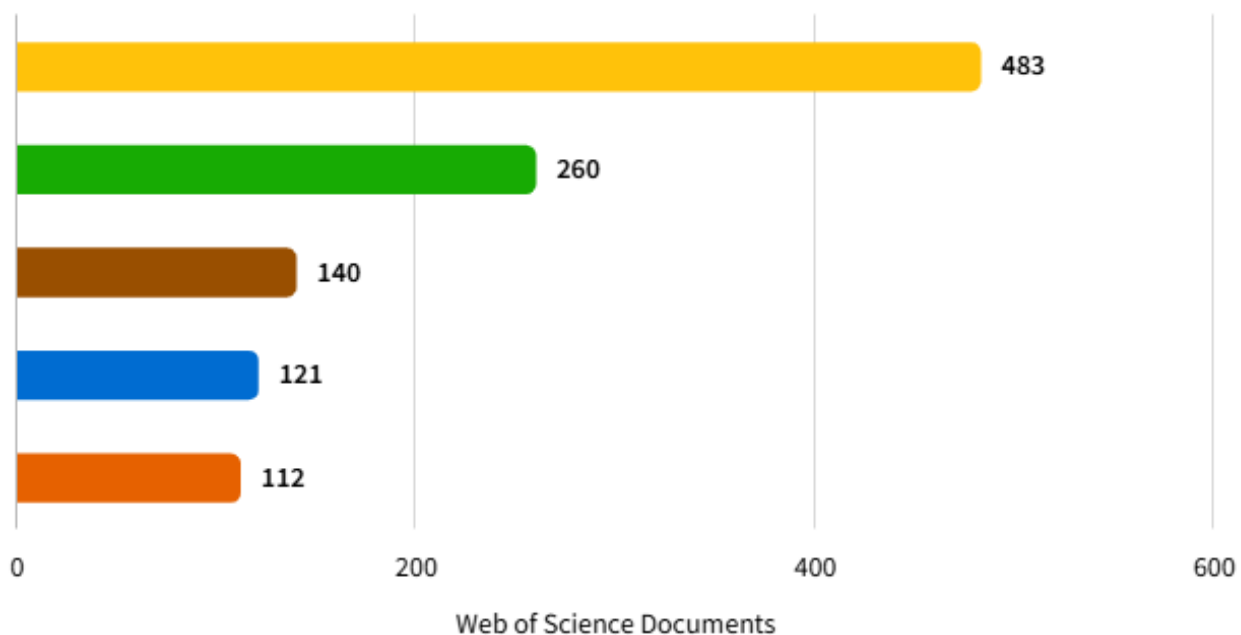
Are National Technical University Kharkiv Polytechnic Institute authors citing recent or older material? Cited journals are ranked by the number of Web of Science documents cited by selected institution. Included are documents cited 2006 to present by documents published 2006 to present irrespective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



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

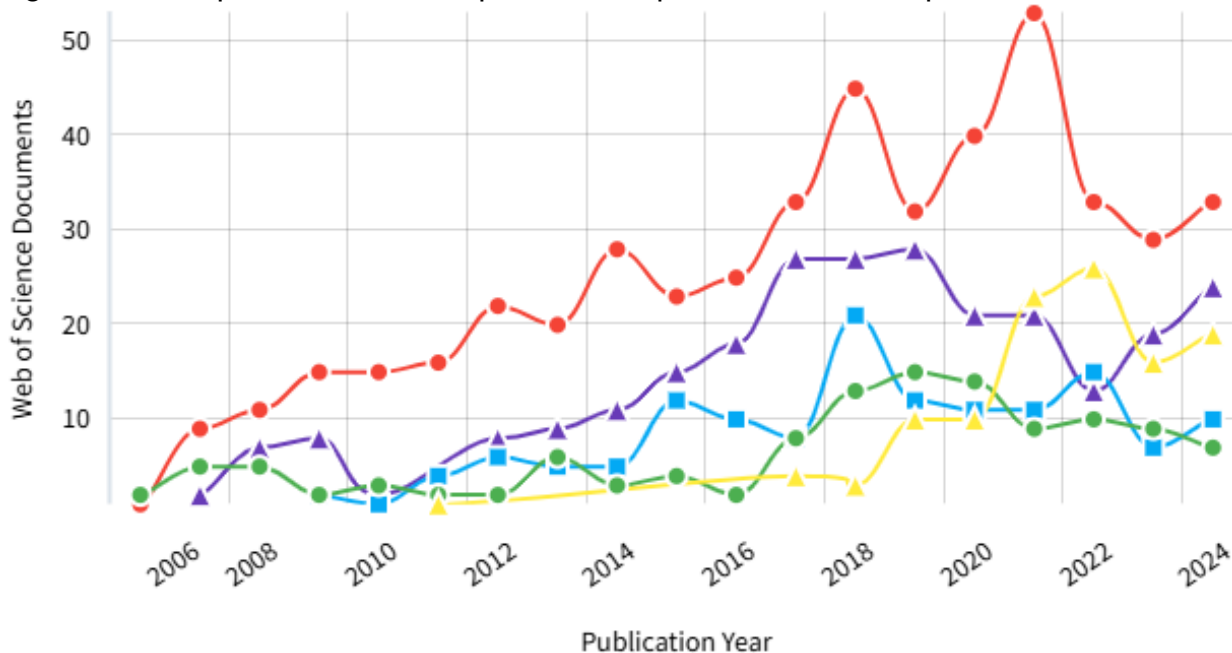
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Which journals are citing National Technical University Kharkiv Polytechnic Institute authors? Citing journals are ranked by the number of Web of Science documents citing selected institution and includes documents published 2006 to present that are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



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

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
Floquet scattering theory of quantum pumps -: art. no. 205320 PHYSICAL REVIEW B 2002	400
Large magnetic gap at the Dirac point in Bi₂Te₃/MnBi₂Te₄ heterostructures NATURE 2019	196
Bandgap energy of graphite-like hexagonal boron nitride JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS 2001	184
Multiple-stable anisotropic magnetoresistance memory in antiferromagnetic MnTe NATURE COMMUNICATIONS 2016	181
Microstructure, physical and chemical properties of nanostructured (Ti-Hf-Zr-V-Nb)N coatings under different deposition conditions MATERIALS CHEMISTRY AND PHYSICS 2014	177
Dissipation and noise in adiabatic quantum pumps -: art. no. 035306 PHYSICAL REVIEW B 2002	177
Carbon Honeycomb High Capacity Storage for Gaseous and Liquid Species PHYSICAL REVIEW LETTERS 2016	157
Calculations of the far-wing line profiles of sodium and potassium in the atmospheres of substellar-mass objects ASTROPHYSICAL JOURNAL 2003	148
Comparative study of ITO layers deposited by DC and RF magnetron sputtering at room temperature JOURNAL OF NON-CRYSTALLINE SOLIDS 2006	141
Relation between scattering-matrix and Keldysh formalisms for quantum transport driven by time-periodic fields PHYSICAL REVIEW B 2006	128