



**Estudi de la coautoria de publicacions
científiques entre UPC i set universitats
europees :**

Aalto University

KTH. Royal Institute of Technology

Darmstadt University of Technology

Politecnico de Torino

Universite Catholique de Louvain

Institut National Polytechnique de Grenoble

Polytechnic Institute of Lisbon

Biblioteca Rector Gabriel Ferraté

Setembre 2018



**UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH**

Nombre de publicacions en coautoria amb la UPC

- Font – Web of Science / Core Collection
- Sense límits cronològics
- Sense límits en el tipus de documents

Aalto University	57
KTH. Royal Institute of Technology	121
Darmstadt University of Technology	33
Politecnico de Torino	110
Universite Catholique de Louvain	31
Institut National Polytechnique de Grenoble	73
Polytechnic Institute of Lisbon	3

Publicacions en col·laboració amb la UPC segons WoS

Subject Categories

**una publicació pot estar indexada sota més d'una categoria*

Aalto University

ENGINEERING ELECTRICAL ELECTRONIC	21	36.84%	36.842%
REMOTE SENSING	14	24.56%	24.561%
GEOCHEMISTRY GEOPHYSICS	11	19.30%	19.298%
TELECOMMUNICATIONS	10	17.54%	17.544%
IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY	9	15.79%	15.789%
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	5	8.77%	8.772%
ENERGY FUELS	5	8.77%	8.772%
COMPUTER SCIENCE INFORMATION SYSTEMS	4	7.02%	7.018%
COMPUTER SCIENCE THEORY METHODS	4	7.02%	7.018%
GEOSCIENCES MULTIDISCIPLINARY	4	7.02%	7.018%
ASTRONOMY ASTROPHYSICS	3	5.26%	5.263%
MATERIALS SCIENCE MULTIDISCIPLINARY	3	5.26%	5.263%
METEOROLOGY ATMOSPHERIC SCIENCES	3	5.26%	5.263%
PHYSICS APPLIED	3	5.26%	5.263%
POLYMER SCIENCE	3	5.26%	5.263%
AGRICULTURAL ENGINEERING	2	3.51%	3.509%
BIOTECHNOLOGY APPLIED MICROBIOLOGY	2	3.51%	3.509%
CHEMISTRY MULTIDISCIPLINARY	2	3.51%	3.509%
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS	2	3.51%	3.509%
COMPUTER SCIENCE SOFTWARE ENGINEERING	2	3.51%	3.509%
ENGINEERING GEOLOGICAL	2	3.51%	3.509%
ENGINEERING INDUSTRIAL	2	3.51%	3.509%
ENGINEERING MULTIDISCIPLINARY	2	3.51%	3.509%
MATERIALS SCIENCE PAPER WOOD	2	3.51%	3.509%
MATERIALS SCIENCE TEXTILES	2	3.51%	3.509%
MATHEMATICS APPLIED	2	3.51%	3.509%
OPTICS	2	3.51%	3.509%
AUTOMATION CONTROL SYSTEMS	1	1.75%	1.754%
BIOCHEMISTRY MOLECULAR BIOLOGY	1	1.75%	1.754%
CHEMISTRY ORGANIC	1	1.75%	1.754%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	1	1.75%	1.754%
GREEN SUSTAINABLE SCIENCE TECHNOLOGY	1	1.75%	1.754%
INSTRUMENTS INSTRUMENTATION	1	1.75%	1.754%

LOGIC	1	1.75%	1.754%
MATHEMATICS	1	1.75%	1.754%
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	1	1.75%	1.754%
MINING MINERAL PROCESSING	1	1.75%	1.754%
NANOSCIENCE NANOTECHNOLOGY	1	1.75%	1.754%
PHYSICS ATOMIC MOLECULAR CHEMICAL	1	1.75%	1.754%
PHYSICS FLUIDS PLASMAS	1	1.75%	1.754%
PHYSICS MATHEMATICAL	1	1.75%	1.754%
PHYSICS MULTIDISCIPLINARY	1	1.75%	1.754%

KTH. Royal Institute of Technology

ENGINEERING ELECTRICAL ELECTRONIC	46	38.02%	38.017%
TELECOMMUNICATIONS	29	23.97%	23.967%
COMPUTER SCIENCE INFORMATION SYSTEMS	22	18.18%	18.182%
COMPUTER SCIENCE THEORY METHODS	22	18.18%	18.182%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	17	14.05%	14.050%
ENERGY FUELS	11	9.09%	9.091%
INSTRUMENTS INSTRUMENTATION	10	8.26%	8.264%
OPTICS	7	5.79%	5.785%
PHYSICS NUCLEAR	7	5.79%	5.785%
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS	6	4.96%	4.959%
PHYSICS APPLIED	6	4.96%	4.959%
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	5	4.13%	4.132%
COMPUTER SCIENCE SOFTWARE ENGINEERING	5	4.13%	4.132%
GREEN SUSTAINABLE SCIENCE TECHNOLOGY	5	4.13%	4.132%
NUCLEAR SCIENCE TECHNOLOGY	5	4.13%	4.132%
PHYSICS PARTICLES FIELDS	5	4.13%	4.132%
CHEMISTRY PHYSICAL	4	3.31%	3.306%
ENGINEERING ENVIRONMENTAL	3	2.48%	2.479%
ENGINEERING MULTIDISCIPLINARY	3	2.48%	2.479%
LOGIC	3	2.48%	2.479%
MATERIALS SCIENCE MULTIDISCIPLINARY	3	2.48%	2.479%
WATER RESOURCES	3	2.48%	2.479%
ASTRONOMY ASTROPHYSICS	2	1.65%	1.653%
BIOCHEMISTRY MOLECULAR BIOLOGY	2	1.65%	1.653%
CHEMISTRY ANALYTICAL	2	1.65%	1.653%
CHEMISTRY MULTIDISCIPLINARY	2	1.65%	1.653%
ENGINEERING BIOMEDICAL	2	1.65%	1.653%
ENGINEERING MECHANICAL	2	1.65%	1.653%
ENVIRONMENTAL SCIENCES	2	1.65%	1.653%
GEOSCIENCES MULTIDISCIPLINARY	2	1.65%	1.653%
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	2	1.65%	1.653%
MULTIDISCIPLINARY SCIENCES	2	1.65%	1.653%
PHYSICS ATOMIC MOLECULAR CHEMICAL	2	1.65%	1.653%
PHYSICS MULTIDISCIPLINARY	2	1.65%	1.653%
AGRICULTURAL ENGINEERING	1	0.83%	0.826%
AUTOMATION CONTROL SYSTEMS	1	0.83%	0.826%
BIOPHYSICS	1	0.83%	0.826%
BIOTECHNOLOGY APPLIED MICROBIOLOGY	1	0.83%	0.826%
CHEMISTRY INORGANIC NUCLEAR	1	0.83%	0.826%
EDUCATION EDUCATIONAL RESEARCH	1	0.83%	0.826%

EDUCATION SCIENTIFIC DISCIPLINES	1	0.83%	0.826%
ELECTROCHEMISTRY	1	0.83%	0.826%
ENGINEERING CHEMICAL	1	0.83%	0.826%
ENGINEERING CIVIL	1	0.83%	0.826%
FOOD SCIENCE TECHNOLOGY	1	0.83%	0.826%
MATERIALS SCIENCE BIOMATERIALS	1	0.83%	0.826%
MATHEMATICS APPLIED	1	0.83%	0.826%
MECHANICS	1	0.83%	0.826%
METALLURGY METALLURGICAL ENGINEERING	1	0.83%	0.826%
NANOSCIENCE NANOTECHNOLOGY	1	0.83%	0.826%
POLYMER SCIENCE	1	0.83%	0.826%
THERMODYNAMICS	1	0.83%	0.826%

Darmstadt University of Technology

ENGINEERING ELECTRICAL ELECTRONIC	7	21.21%	21.212%
PHYSICS MULTIDISCIPLINARY	5	15.15%	15.152%
ASTRONOMY ASTROPHYSICS	4	12.12%	12.121%
COMPUTER SCIENCE THEORY METHODS	4	12.12%	12.121%
INSTRUMENTS INSTRUMENTATION	4	12.12%	12.121%
OPTICS	4	12.12%	12.121%
CHEMISTRY PHYSICAL	2	6.06%	6.061%
COMPUTER SCIENCE INFORMATION SYSTEMS	2	6.06%	6.061%
GEOSCIENCES MULTIDISCIPLINARY	2	6.06%	6.061%
MATERIALS SCIENCE MULTIDISCIPLINARY	2	6.06%	6.061%
MULTIDISCIPLINARY SCIENCES	2	6.06%	6.061%
NANOSCIENCE NANOTECHNOLOGY	2	6.06%	6.061%
PHYSICS APPLIED	2	6.06%	6.061%
PHYSICS NUCLEAR	2	6.06%	6.061%
PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH	2	6.06%	6.061%
TELECOMMUNICATIONS	2	6.06%	6.061%
WATER RESOURCES	2	6.06%	6.061%
AUTOMATION CONTROL SYSTEMS	1	3.03%	3.030%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	1	3.03%	3.030%
ENGINEERING MECHANICAL	1	3.03%	3.030%
ENVIRONMENTAL SCIENCES	1	3.03%	3.030%
ERGONOMICS	1	3.03%	3.030%
LIMNOLOGY	1	3.03%	3.030%
PHYSICS PARTICLES FIELDS	1	3.03%	3.030%
POLYMER SCIENCE	1	3.03%	3.030%

Politecnico de Torino

ENGINEERING ELECTRICAL ELECTRONIC	45	40.91%	40.909%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	22	20.00%	20.000%
TELECOMMUNICATIONS	19	17.27%	17.273%
POLYMER SCIENCE	12	10.91%	10.909%
COMPUTER SCIENCE INFORMATION SYSTEMS	8	7.27%	7.273%
ENGINEERING GEOLOGICAL	8	7.27%	7.273%
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS	7	6.36%	6.364%
COMPUTER SCIENCE THEORY METHODS	7	6.36%	6.364%
ENGINEERING MULTIDISCIPLINARY	7	6.36%	6.364%
OPTICS	7	6.36%	6.364%
COMPUTER SCIENCE SOFTWARE ENGINEERING	5	4.55%	4.545%
ENGINEERING CHEMICAL	5	4.55%	4.545%
AUTOMATION CONTROL SYSTEMS	4	3.64%	3.636%
ENGINEERING INDUSTRIAL	4	3.64%	3.636%
GEOSCIENCES MULTIDISCIPLINARY	4	3.64%	3.636%
CHEMISTRY PHYSICAL	3	2.73%	2.727%
ENGINEERING ENVIRONMENTAL	3	2.73%	2.727%
ENVIRONMENTAL SCIENCES	3	2.73%	2.727%
MATERIALS SCIENCE MULTIDISCIPLINARY	3	2.73%	2.727%
BIOCHEMICAL RESEARCH METHODS	2	1.82%	1.818%
BIOTECHNOLOGY APPLIED MICROBIOLOGY	2	1.82%	1.818%
CHEMISTRY ANALYTICAL	2	1.82%	1.818%
CHEMISTRY MULTIDISCIPLINARY	2	1.82%	1.818%
CONSTRUCTION BUILDING TECHNOLOGY	2	1.82%	1.818%
ELECTROCHEMISTRY	2	1.82%	1.818%
ENGINEERING CIVIL	2	1.82%	1.818%
MATERIALS SCIENCE CERAMICS	2	1.82%	1.818%
MATERIALS SCIENCE COMPOSITES	2	1.82%	1.818%
MATHEMATICS APPLIED	2	1.82%	1.818%
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	2	1.82%	1.818%
MECHANICS	2	1.82%	1.818%
CHEMISTRY APPLIED	1	0.91%	0.909%
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	1	0.91%	0.909%
ECOLOGY	1	0.91%	0.909%
EDUCATION SCIENTIFIC DISCIPLINES	1	0.91%	0.909%
ENERGY FUELS	1	0.91%	0.909%
ENGINEERING BIOMEDICAL	1	0.91%	0.909%
ENGINEERING MANUFACTURING	1	0.91%	0.909%
INSTRUMENTS INSTRUMENTATION	1	0.91%	0.909%
LIMNOLOGY	1	0.91%	0.909%
MATHEMATICAL COMPUTATIONAL BIOLOGY	1	0.91%	0.909%

MEDICAL INFORMATICS	1	0.91%	0.909%
MINERALOGY	1	0.91%	0.909%
MINING MINERAL PROCESSING	1	0.91%	0.909%
NANOSCIENCE NANOTECHNOLOGY	1	0.91%	0.909%
NEUROSCIENCES	1	0.91%	0.909%
OPERATIONS RESEARCH MANAGEMENT SCIENCE	1	0.91%	0.909%
PHYSICS MULTIDISCIPLINARY	1	0.91%	0.909%
PHYSIOLOGY	1	0.91%	0.909%
REHABILITATION	1	0.91%	0.909%
REMOTE SENSING	1	0.91%	0.909%
SPORT SCIENCES	1	0.91%	0.909%
THERMODYNAMICS	1	0.91%	0.909%
WATER RESOURCES	1	0.91%	0.909%

Universite Catholique de Louvain

ENGINEERING ELECTRICAL ELECTRONIC	11	35.48%	35.484%
COMPUTER SCIENCE INFORMATION SYSTEMS	6	19.36%	19.355%
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	5	16.13%	16.129%
TELECOMMUNICATIONS	5	16.13%	16.129%
COMPUTER SCIENCE SOFTWARE ENGINEERING	4	12.90%	12.903%
COMPUTER SCIENCE THEORY METHODS	4	12.90%	12.903%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	3	9.68%	9.677%
REMOTE SENSING	3	9.68%	9.677%
GEOSCIENCES MULTIDISCIPLINARY	2	6.45%	6.452%
IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY	2	6.45%	6.452%
METEOROLOGY ATMOSPHERIC SCIENCES	2	6.45%	6.452%
PHYSICS CONDENSED MATTER	2	6.45%	6.452%
RESPIRATORY SYSTEM	2	6.45%	6.452%
COMPUTER SCIENCE CYBERNETICS	1	3.23%	3.226%
CRITICAL CARE MEDICINE	1	3.23%	3.226%
ENVIRONMENTAL SCIENCES	1	3.23%	3.226%
GERIATRICS GERONTOLOGY	1	3.23%	3.226%
MATHEMATICAL COMPUTATIONAL BIOLOGY	1	3.23%	3.226%
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	1	3.23%	3.226%
MULTIDISCIPLINARY SCIENCES	1	3.23%	3.226%
NUTRITION DIETETICS	1	3.23%	3.226%
OPTICS	1	3.23%	3.226%
PHYSICS APPLIED	1	3.23%	3.226%
PHYSICS MULTIDISCIPLINARY	1	3.23%	3.226%
PHYSICS NUCLEAR	1	3.23%	3.226%
RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING	1	3.23%	3.226%

Institut National Polytechnique de Grenoble

ENGINEERING ELECTRICAL ELECTRONIC	25	34.25%	34.247%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	7	9.59%	9.589%
COMPUTER SCIENCE THEORY METHODS	7	9.59%	9.589%
ENGINEERING CIVIL	7	9.59%	9.589%
GEOSCIENCES MULTIDISCIPLINARY	7	9.59%	9.589%
METEOROLOGY ATMOSPHERIC SCIENCES	6	8.22%	8.219%
COMPUTER SCIENCE INFORMATION SYSTEMS	5	6.85%	6.849%
MATERIALS SCIENCE MULTIDISCIPLINARY	5	6.85%	6.849%
OCEANOGRAPHY	5	6.85%	6.849%
REMOTE SENSING	5	6.85%	6.849%
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	4	5.48%	5.479%
ENGINEERING OCEAN	4	5.48%	5.479%
WATER RESOURCES	4	5.48%	5.479%
ASTRONOMY ASTROPHYSICS	3	4.11%	4.110%
AUTOMATION CONTROL SYSTEMS	3	4.11%	4.110%
ENGINEERING GEOLOGICAL	3	4.11%	4.110%
ENVIRONMENTAL SCIENCES	3	4.11%	4.110%
IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY	3	4.11%	4.110%
MECHANICS	3	4.11%	4.110%
PHYSICS APPLIED	3	4.11%	4.110%
PHYSICS CONDENSED MATTER	3	4.11%	4.110%
COMPUTER SCIENCE SOFTWARE ENGINEERING	2	2.74%	2.740%
ENERGY FUELS	2	2.74%	2.740%
INSTRUMENTS INSTRUMENTATION	2	2.74%	2.740%
POLYMER SCIENCE	2	2.74%	2.740%
TELECOMMUNICATIONS	2	2.74%	2.740%
ACOUSTICS	1	1.37%	1.370%
CHEMISTRY ANALYTICAL	1	1.37%	1.370%
CHEMISTRY APPLIED	1	1.37%	1.370%
CHEMISTRY MULTIDISCIPLINARY	1	1.37%	1.370%
CHEMISTRY ORGANIC	1	1.37%	1.370%
ELECTROCHEMISTRY	1	1.37%	1.370%
ENGINEERING MANUFACTURING	1	1.37%	1.370%
ENGINEERING MULTIDISCIPLINARY	1	1.37%	1.370%
GEOCHEMISTRY GEOPHYSICS	1	1.37%	1.370%
GREEN SUSTAINABLE SCIENCE TECHNOLOGY	1	1.37%	1.370%
MATERIALS SCIENCE CHARACTERIZATION TESTING	1	1.37%	1.370%
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	1	1.37%	1.370%
METALLURGY METALLURGICAL ENGINEERING	1	1.37%	1.370%
NANOSCIENCE NANOTECHNOLOGY	1	1.37%	1.370%
PHYSICS ATOMIC MOLECULAR CHEMICAL	1	1.37%	1.370%

PHYSICS NUCLEAR	1	1.37%	1.370%
RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING	1	1.37%	1.370%
ROBOTICS	1	1.37%	1.370%
STATISTICS PROBABILITY	1	1.37%	1.370%

Polytechnic Institute of Lisbon

AUTOMATION CONTROL SYSTEMS	1	33.33%	33.333%
COMPUTER SCIENCE INFORMATION SYSTEMS	1	33.33%	33.333%
COMPUTER SCIENCE SOFTWARE ENGINEERING	1	33.33%	33.333%
COMPUTER SCIENCE THEORY METHODS	1	33.33%	33.333%
GEOSCIENCES MULTIDISCIPLINARY	1	33.33%	33.333%
METEOROLOGY ATMOSPHERIC SCIENCES	1	33.33%	33.333%
WATER RESOURCES	1	33.33%	33.333%