

## **Bibliometrinen tieteenalaluokitus 2016**

### **Scopus-tietokannan mukaan**

Julkaisun (esim. artikkelin) tieteenala määräytyy Elsevierin tieteelliselle aikakauslehdelle tai konferenssijulkaisulle määrittelemän tutkimusalan mukaan. Kategorioita on noin 350. Monet julkaisukanavat on luokiteltu useaan eri tutkimusalaan. Kategoriat on ryhmitelty suuremmiksi kokonaisuuksiksi alla esitetyn bibliometrisen tieteenalaluokituksen mukaan. Bibliometrisen tieteenalaluokituksen pohjana on Tilastokeskuksen Tieteenalaluokitus 2010.

#### **Päätieteenala, tieteenala ja Elsevierin tutkimusala**

##### **LUONNONTIETEET**

###### **111 Matematiikka**

Mathematics(all)  
Mathematics (miscellaneous)  
Algebra and Number Theory  
Analysis  
Applied Mathematics  
Computational Mathematics  
Control and Optimization  
Discrete Mathematics and Combinatorics  
Geometry and Topology  
Logic  
Modelling and Simulation  
Numerical Analysis

###### **112 Tilastotiede**

Statistics, Probability and Uncertainty  
Statistics and Probability

###### **113 Tietojenkäsittely ja informaatiotieteet**

Computer Science (miscellaneous)  
Artificial Intelligence  
Computational Theory and Mathematics  
Computer Graphics and Computer-Aided Design  
Computer Science Applications  
Computer Vision and Pattern Recognition  
Human-Computer Interaction  
Information Systems  
Software  
Theoretical Computer Science

###### **114 Fysiikka**

Physics and Astronomy(all)  
Spectroscopy  
Mathematical Physics  
Physics and Astronomy (miscellaneous)  
Acoustics and Ultrasonics  
Condensed Matter Physics  
Instrumentation  
Nuclear and High Energy Physics

Atomic and Molecular Physics, and Optics

Radiation

Statistical and Nonlinear Physics

Surfaces and Interfaces

115 Avaruustieteet ja tähtitiede

Space and Planetary Science

Astronomy and Astrophysics

116 Kemia

Chemistry(all)

Chemistry (miscellaneous)

Analytical Chemistry

Electrochemistry

Inorganic Chemistry

Organic Chemistry

Physical and Theoretical Chemistry

1171 Geotieteet

Earth and Planetary Sciences(all)

Soil Science

Earth and Planetary Sciences (miscellaneous)

Atmospheric Science

Computers in Earth Sciences

Earth-Surface Processes

Economic Geology

Geochemistry and Petrology

Geology

Geophysics

Oceanography

Palaeontology

Stratigraphy

Water Science and Technology

## **BIO JA YMPÄRISTÖTIEETEET**

1172 Ympäristötiede

Environmental Science(all)

Environmental Science (miscellaneous)

Environmental Chemistry

Global and Planetary Change

Management, Monitoring, Policy and Law

Nature and Landscape Conservation

Pollution

1181 Ekologia, evoluutiobiologia

Aquatic Science

Ecology, Evolution, Behavior and Systematics

Ecological Modelling

Ecology

Insect Science

1182 Biokemia, solu- ja molekyylibiologia

Biochemistry, Genetics and Molecular Biology(all)

Biochemistry, Genetics and Molecular Biology (miscellaneous)

Ageing

Biochemistry  
Biophysics  
Biotechnology  
Cell Biology  
Molecular Biology  
Structural Biology  
Agricultural and Biological Sciences (miscellaneous)

1183 Kasvibiologia, mikrobiologia, virologia

Plant Science  
Applied Microbiology and Biotechnology  
Microbiology  
Virology

1184 Genetiikka, kehitysbiologia, fysiologia

Developmental Biology  
Genetics

## **TEKNIikka**

211 Arkkitehtuuri

Architecture

212 Rakennus- ja yhdyskuntatekniikka

Civil and Structural Engineering  
Building and Construction

Rakennus- ja yhdyskuntatekniikka

213 Sähkö-, automaatio- ja tietoliikennetekniikka, elektroniikka

Computer Networks and Communications  
Hardware and Architecture  
Signal Processing  
Control and Systems Engineering  
Electrical and Electronic Engineering  
Media Technology

214 Kone- ja valmistustekniikka

Safety, Risk, Reliability and Quality

Aerospace Engineering

Automotive Engineering

Computational Mechanics

Industrial and Manufacturing Engineering

Mechanical Engineering

215 Teknillinen kemia, kemian prosessitekniikka

Chemical Engineering(all)

Chemical Engineering (miscellaneous)

Catalysis

Filtration and Separation

Fluid Flow and Transfer Processes

Process Chemistry and Technology

Colloid and Surface Chemistry

Bioengineering

216 Materiaalitiede- ja tekniikka

Materials Science(all)

Mechanics of Materials

Materials Science (miscellaneous)

Biomaterials  
Ceramics and Composites  
Electronic, Optical and Magnetic Materials  
Materials Chemistry  
Metals and Alloys  
Polymers and Plastics  
Surfaces, Coatings and Films

#### 217 Lääketieteen tekniikka

Biomedical Engineering  
Health Informatics  
Health Information Management

#### 218 Ympäristötekniikka

Energy(all)  
Waste Management and Disposal  
Geotechnical Engineering and Engineering Geology  
Energy (miscellaneous)  
Energy Engineering and Power Technology  
Fuel Technology  
Nuclear Energy and Engineering  
Renewable Energy, Sustainability and the Environment  
Ocean Engineering  
Environmental Engineering

### **LÄÄKE- JA TERVEYSTIETEET**

#### 3111 Biolääketieteet

Physiology  
Cancer Research  
Clinical Biochemistry  
Endocrinology  
Molecular Medicine  
Immunology and Microbiology(all)  
Immunology and Microbiology (miscellaneous)  
Immunology  
Parasitology  
Anatomy  
Biochemistry, medical  
Histology  
Immunology and Allergy  
Microbiology (medical)  
Pathology and Forensic Medicine  
Physiology (medical)  
Medical Laboratory Technology  
Embryology

#### 3112 Neurotieteet

Neuroscience(all)  
Neuroscience (miscellaneous)  
Behavioral Neuroscience  
Biological Psychiatry  
Cellular and Molecular Neuroscience  
Cognitive Neuroscience

Developmental Neuroscience  
Endocrine and Autonomic Systems  
Neurology  
Sensory Systems

### 312 Kliiniset lääketieteet

Medicine(all)  
Medicine (miscellaneous)  
Anesthesiology and Pain Medicine  
Cardiology and Cardiovascular Medicine  
Critical Care and Intensive Care Medicine  
Complementary and alternative medicine  
Dermatology  
Drug guides  
Emergency Medicine  
Endocrinology, Diabetes and Metabolism  
Gastroenterology  
Genetics(clinical)  
Geriatrics and Gerontology  
Hematology  
Hepatology  
Internal Medicine  
Infectious Diseases  
Nephrology  
Clinical Neurology  
Obstetrics and Gynaecology  
Oncology  
Ophthalmology  
Orthopedics and Sports Medicine  
Otorhinolaryngology  
Pediatrics, Perinatology, and Child Health  
Pharmacology (medical)  
Psychiatry and Mental health  
Pulmonary and Respiratory Medicine  
Radiology Nuclear Medicine and imaging  
Reproductive Medicine  
Reviews and References, Medical  
Rheumatology  
Surgery  
Transplantation  
Urology  
Emergency Medical Services  
Optometry  
Podiatry  
Radiological and Ultrasound Technology  
Respiratory Care  
Speech and Hearing  
Health Professions(all)  
Medical Terminology

### 313 Hammaslääketieteet

Dentistry(all)

Dentistry (miscellaneous)

Dental Assisting

Dental Hygiene

Oral Surgery

Orthodontics

Periodontics

3141 Ravitsemustiede

Nutrition and Dietetics

3142 Kansanterveystiede, ympäristö- ja työterveys

Chemical Health and Safety

Health, Toxicology and Mutagenesis

Epidemiology

Family Practice

Health Policy

Public Health, Environmental and Occupational Health

Health(social science)

Gerontology

Safety Research

Health Professions (miscellaneous)

315 Liikuntatiede

Rehabilitation

Chiropractics

Complementary and Manual Therapy

Occupational Therapy

Physical Therapy, Sports Therapy and Rehabilitation

316 Hoitotiede

Nursing(all)

Nursing (miscellaneous)

Advanced and Specialised Nursing

Assessment and Diagnosis

Care Planning

Community and Home Care

Critical Care

Emergency

Fundamentals and skills

Issues, ethics and legal aspects

Leadership and Management

LPN and LVN

Maternity and Midwifery

Medical–Surgical

Nurse Assisting

Oncology(nursing)

Pathophysiology

Pediatrics

Pharmacology (nursing)

Psychiatric Mental Health

Research and Theory

Review and Exam Preparation

317 Farmasia

Pharmacology, Toxicology and Pharmaceutics(all)

Pharmacology, Toxicology and Pharmaceutics (miscellaneous)

Drug Discovery

Pharmaceutical Science

Pharmacology

Toxicology

Pharmacy

## **MAATALOUS- JA METSÄTIETEET**

### 410 Maataloustieteet

Agricultural and Biological Sciences(all)

Agronomy and Crop Science

Animal Science and Zoology

Horticulture

### 4112 Metsätiede

Forestry

### 413 Eläinlääketiede

veterinary(all)

veterinary (miscellaneous)

Equine

Food Animals

Small Animals

Food Science

## **YHTEISKUNTATIETEET**

### 510 Taloustieteet

Business, Management and Accounting(all)

Business, Management and Accounting (miscellaneous)

Accounting

Business and International Management

Management Information Systems

Management of Technology and Innovation

Marketing

Organizational Behavior and Human Resource Management

Strategy and Management

Industrial relations

Decision Sciences(all)

Decision Sciences (miscellaneous)

Information Systems and Management

Management Science and Operations Research

Economics, Econometrics and Finance(all)

Economics, Econometrics and Finance (miscellaneous)

Economics and Econometrics

Finance

### 515 Psykologia

Psychology(all)

Psychology (miscellaneous)

Applied Psychology

Clinical Psychology

Developmental and Educational Psychology

Experimental and Cognitive Psychology

Neuropsychology and Physiological Psychology

Social Psychology

Life-span and Life-course Studies

516 Kasvatustieteet

Education

Medical Assisting and Transcription

530 Yhteiskuntatieteet (pl. taloustieteet ja psykologia)

Tourism, Leisure and Hospitality Management

Social Sciences(all)

Social Sciences (miscellaneous)

Development

Geography, Planning and Development

Human Factors and Ergonomics

Law

Library and Information Sciences

Sociology and Political Science

Transportation

Anthropology

Communication

Demography

Gender Studies

Political Science and International Relations

Public Administration

Urban Studies

## **HUMANISTISET TIETEET**

600 Humanistiset tieteet

Arts and Humanities(all)

Arts and Humanities (miscellaneous)

History

Language and Linguistics

Archaeology

Classics

Conservation

History and Philosophy of Science

Literature and Literary Theory

Museology

Music

Philosophy

Religious studies

Visual Arts and Performing Arts

Archaeology

Linguistics and Language

Cultural Studies

## **YLEISTIETEELLISET LEHDET\***

700 Yleistieteelliset lehdet

General

\*Yleistieteellisten lehtien artikkeleita ei ole sijoitettu uudelleen eri tieteenaloille. Ne kuuluvat



luokkaan "yleistieteelliset lehdet", joka sisältää esimerkiksi lehdet *Nature*, *PLOS ONE*, *PNAS* ja *Science* sekä monia vähemmän tunnettuja tieteellisiä lehtiä.