

COMPUTATION OF FREQUENCIES - STANFORD-ELSEVIER STUDY, 2021 EDITION

Number of teaching and research staff by fields and disciplines

Number of authors among the 100,000 most cited in all fields or in the top 2% most cited by discipline

	Highly cited authors 1996-2020				Highly cited authors 2020			
	UPC	UPM	UPV	UPCT	UPC	UPM	UPV	UPCT
	FIELDS							
AGRICULTURE, FISHERIES & FORESTRY		5	5	1		8	8	1
BIOLOGY		2	2			4	3	1
EARTH & ENVIRONMENTAL SCIENCES	1				2	2		1
SOCIAL SCIENCES							2	
ECONOMICS & BUSINESS								3
ENGINEERING	30	9	11	2	31	10	7	1
BUILT ENVIRONMENT & DESIGN	1		1		2		1	1
PHYSICS & ASTRONOMY	11	4	3		11	4	5	
MATHEMATICS & STATISTICS	5	1	2		4	1	1	
CLINICAL MEDICINE	1		2		1		3	
CHEMISTRY	5		9		8		14	
BIOMEDICAL RESEARCH		1	1			4	1	
ENABLING & STRATEGIC TECHNOLOGIES	14	10	10	1	15	7	7	2
ICTs	16	5	10	1	8	4	11	1
TOTAL AUTHORS	84	37	56	5	82	44	63	11
DISCIPLINES (2 principal x author)								
Acoustics	2	1			1	1	1	
Business & Management							1	3
Aerospace & Aeronautics	1	2				2		
Agronomy & Agriculture		2				7		1
Archaeology	1				1			
Architecture								
Computer Hardware & Architecture	2				1			
Astronomy & Astrophysics	3	2			1	1	1	
Information & Library Sciences							1	
Biophysics								
Biochemistry & Molecular Biology			1					1
Developmental Biology						2	2	
Bioinformatics						1		
Biotechnology	1	1			3	1	1	
Plant Biology & Botany		2	2	1		6	4	
Food Science		1	4	1		1	7	

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	Environmental Sciences	3	1			4	4	
Dairy & Animal Science		2	1			2	3	
Forestry		3				3		1
Distributed Computing	2		1		1	1	1	
Accounting								2
Building & Construction	4	2	1		5	1	2	
Nutrition & Dietetics		1				2		
Ecology		1				1		
Agricultural Economics & Policy		1				1		
Endocrinology & Metabolism						1		
Energy	16	5	6	1	17	2	9	2
Biomedical Engineering	3	1	1		3	1	1	
Civil Engineering	3	2			3	2	1	
Software Engineering	1					1		
Telecommunications, Electrical & Electronic Engineering	18	4	4		18	3	2	
Geological & Geomatics Engineering	5	1	1		5	2	1	
Industrial Engineering & Automation	3		2		6		2	
Mechanical Engineering & Transports	8	4	1	2	5	4	6	1
Environmental Engineering	4		1		5	1		
Mining & Metallurgy								
Chemical Engineering	4			1	3	1	1	
Entomology								1
Statistics & Probability							1	
Strategic, Defence & Security Studies	1	1			2	2		
Science Studies							2	
Pharmacology & Pharmacy			1				1	
Philosophy		1						
Applied Physics	2		2	1	3		3	2
General Physics	2	1			3	1		
Physics & Astronomy								
Nuclear & Particle Physics	1	2			1		1	
Chemical Physics	3		1		2		7	
Geochemistry & Geophysics	1				2			1

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	Horticulture						1	1
Dairy & Animal Science								
Medical Informatics								
Artificial Intelligence & Image Processing	14	4	6		6	3	12	
Languages & Linguistics	1				1			
Logistics & Transportation								
Marketing								1
Applied Mathematics	4	2			4	2		
General Mathematics	1		2		1		1	
Numerical & Computational Mathematics	1		1		1		1	
Computation Theory & Mathematics	3						1	
Materials	8	5			8	5	3	
General & Internal Medicine	1				1			
Meteorology & Atmospheric Sciences	1			1	1	1	1	1
Microbiology								
Mining & Metallurgy	2				2			
Nanoscience & Nanotechnology	2				3		1	
Neurology & Neurosurgery	1	1			1	1	1	
Oncology & Carcinogenesis							1	
Optics	7	3	1		5	3	3	
Optoelectronics & Photonics	6	4	5		6	4	3	
Paleontology								
Fluids & Plasmas	4	3			5	4		
Design Practice & Management	2				2			
Polymers	4	1	1		6	1	5	
Speech-Language Pathology & Audiology							1	
Experimental Psychology								
Analytical Chemistry			1		1		4	
Physical Chemistry	2				3		3	
General Chemistry							2	
Inorganic & Nuclear Chemistry							1	
Organic Chemistry	2		6	1	4		10	1

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Medicinal & Biomolecular Chemistry							1	
Operations Research		1				1		
Information Systems	1	1					1	
Networking & Telecommunications	7	4	3	1	8	2	6	1
Urban & Regional Planning								1
Virology		1				2		
Total items (no authors x 2)	168	74	56	10	164	88	126	22

N.B. It was decided to provide the frequency by fields and disciplines separately as there is not always correspondence between field and disciplines for the same author. For example, an author who is assigned to Engineering as the main field, may have Applied Mathematics as one of their two main disciplines.