

COMPUTATION OF FREQUENCIES UNIV. STANFORD-ELSEVIER STUDY, 2020 EDITION

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

Number of teaching and research staff by fields and disciplines

Highly cited authors 1996-2019				Highly cited authors 2019			
UPC	UPM	UPV	UPCT	UPC	UPM	UPV	UPCT

FIELDS	UPC	UPM	UPV	UPCT	UPC	UPM	UPV	UPCT
AGRICULTURE, FISHERIES & FORESTRY		2	4	1		5	6	1
BIOLOGY							2	1
EARTH & ENVIRONMENTAL SCIENCES	1				2	1		
SOCIAL SCIENCES			1				1	
ECONOMICS & BUSINESS						1		2
ENGINEERING	32	6	10	2	33	5	8	1
BUILT ENVIRONMENT & DESIGN	1	1	1		1	1		
PHYSICS & ASTRONOMY	5	3	3		8	4	2	
MATHEMATICS & STATISTICS	4	1	3		3		1	
CLINICAL MEDICINE							1	
CHEMISTRY	4		8		6		15	
ENABLING & STRATEGIC TECHNOLOGIES	7	6	9	1	9	5	9	1
INFORMATION & COMMUNICATION TECHNOLOGIES	14	6	7	1	8	6	8	1
Total authors	68	25	46	5	70	28	53	7

DISCIPLINES (2 principal x author)	UPC	UPM	UPV	UPCT	UPC	UPM	UPV	UPCT
Acoustics	1				2		1	
Business & Management								2
Aerospace & Aeronautics	1	2	1		1	1		
Agronomy & Agriculture		1				3		1
Architecture		1				1		
Computer Hardware & Architecture	2		1				1	
Astronomy & Astrophysics	2	2			2	1		
Information & Library Sciences			1				1	
Biophysics								
Biochemistry & Molecular Biology								
Developmental Biology			1				1	
Evolutionary Biology		1				1		
Bioinformatics							1	
Biotechnology					1		1	
Plant Biology & Botany				1		1	2	
Food Science			3	1			5	

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	Environmental Sciences	4				4	3	
Forestry		1				2		1
Distributed Computing	3		1		2	1	1	
Accounting								1
Building & Construction	4	2	1		4	1		
Agricultural Economics & Policy								
Energy	15	3	10	1	15	2	9	1
Biomedical Engineering	3				3			
Civil Engineering	3	2			3	2		
Software Engineering	1		1		1	1		
Telecommunications, Electrical & Electronic Engineering	17	5	5		18	3	4	
Geological & Geomatics Engineering	5		1		6	1	1	
Industrial Engineering & Automation	3	1	3		5		2	
Mechanical Engineering & Transports	4		4	2	4		5	1
Environmental Engineering	4		1		4	2		
Mining & Metallurgy	1				1			
Chemical Engineering	4		2	1	3		2	
Entomology								1
Statistics & Probability					1			
Strategic, Defence & Security Studies	1	1			1	1		
Science Studies			1				1	
Applied Physics	1		2		1		1	
General Physics	1	1			2	1		
Physics & Astronomy								
Nuclear & Particle Physics		1			1			
Chemical Physics	2		3	1	2		3	1
Geochemistry & Geophysics	2		1		3			
Horticulture						1	1	
Dairy & Animal Science		2	3			2	2	
Medical Informatics							1	
Artificial Intelligence & Image Processing	13	5	9		8	5	10	
Languages & Linguistics	1				1			

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	Logistics & Transportation						1	
Marketing								1
Applied Mathematics	4	1			3	2		
General Mathematics	1		2		1			
Numerical & Computational Mathematics	2		2		1		1	
Computation Theory & Mathematics	3	1	1				1	
Materials	2	1	1		3	1	3	
Meteorology & Atmospheric Sciences	2		1	1	2		1	1
Microbiology								
Nanoscience & Nanotechnology	2		1		2			
Neurology & Neurosurgery		1				1	1	
Optics	4	3	4		4	3	6	
Optoelectronics & Photonics	3	3	6		5	3	6	
Paleontology								
Fluids & Plasmas	3	3			4	4		
Design Practice & Management	1	1						
Polymers	3		1		2		3	1
Speech-Language Pathology & Audiology		1	2	1			1	
Experimental Psychology								
Analytical Chemistry			1		2		2	
Physical Chemistry	3		4		2		8	
General Chemistry			1				3	
Organic Chemistry	1		5		3		9	
Operations Research		1	1				1	
Information Systems		1				1	1	
Networking & Telecommunications	4	2	4	1	7	3	3	1
Urban & Regional Planning						1		
Virology								
Total items (no. authors x 2)	136	50	92	10	140	56	106	14

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.