

Oborová závislost frekvence publikování (FP)

Vzhledem k tomu, že ve všech bibliometrických dokumentech, které slouží jako podklad pro oborové hodnocení, používáme počty výstupů (ať už celkové nebo počty v kvartilech či decilech), je nezbytné vědět, jaká je frekvence publikování v jednotlivých oborech. Je zřejmé, že při frekvenci 3-5 výstupů (řada oborů – viz tabulky „Frekvence publikování“) na pracovníka za 5 let není možné mít v horním decilu (kvartilu) tolik výstupů (při stejně velkém týmu), jako při frekvenci 15-20 (astronomie, fyzika vysokých energií, jaderná fyzika). Proto je přílohou „Zprávy“ seznam oborů s odhadem frekvence publikování. Odhad je mediánem počtu publikací za 5 let souboru výzkumných pracovníků, jehož počet je uveden v prvním sloupci za názvem oboru. Medián byl stanoven pro USA a EU (Anglie, Francie a Německo).

Obor	Počet prac	Median	Obor	Počet prac	Median
ACOUSTICS	70	11	MANAGEMENT	200	5
AGRICULTURAL ENGINEERING	26	7	MARINE FRESHWATER BIOLOGY	368	9
AGRICULTURE DAIRY ANIMAL SCIENCE	97	12	MATERIALS SCIENCE BIOMATERIALS	79	13
AGRICULTURE MULTIDISCIPLINARY	22	3	MATERIALS SCIENCE CERAMICS	74	13
AGRONOMY	97	8,5	MATERIALS SCIENCE COATINGS FILMS	22	6
ANESTHESIOLOGY	86	6	MATERIALS SCIENCE COMPOSITES	64	10
ANTHROPOLOGY	47	6	MATERIALS SCIENCE CHARACTERIZATION TEST	17	6
ARCHAEOLOGY	32	4,5	MATERIALS SCIENCE MULTIDISCIPLINARY	2102	13
ASTRONOMY ASTROPHYSICS	893	15	MATHEMATICAL COMPUTATIONAL BIOLOGY	116	8
AUDIOLOGY SPEECH LANGUAGE PATHOLOGY	29	13,5	MATHEMATICS	170	6
AUTOMATION CONTROL SYSTEMS	157	10	MATHEMATICS APPLIED	288	9
BEHAVIORAL SCIENCES	50	9	MATHEMATICS INTERDISCIPLINARY APPLICATI	37	15,5
BIODIVERSITY CONSERVATION	19	6	MEDICAL INFORMATICS	35	9,5
BIOCHEMICAL RESEARCH METHODS	299	9	MEDICINE GENERAL INTERNAL	193	6,5
BIOCHEMISTRY MOLECULAR BIOLOGY	3007	7	MEDICINE LEGAL	24	6
BIOLOGY	100	4	MEDICINE RESEARCH EXPERIMENTAL	135	5
BIOPHYSICS	108	5	MECHANICS	411	10
BIOTECHNOLOGY APPLIED MICROBIOLOGY	391	7	METALLURGY METALLURGICAL ENGINEERING	95	10
BUSINESS	151	4	METEOROLOGY ATMOSPHERIC SCIENCES	1659	11
BUSINESS FINANCE	104	3	MICROBIOLOGY	851	10
CARDIAC CARDIOVASCULAR SYSTEMS	371	12	MINERALOGY	19	8
CELL BIOLOGY	968	6	MULTIDISCIPLINARY SCIENCES	1258	4
CELL TISSUE ENGINEERING	16	8,5	MYCOLOGY	22	13,5
CLINICAL NEUROLOGY	433	14	NANOSCIENCE NANOTECHNOLOGY	254	12
COMMUNICATION	65	6	NEUROSCIENCES	2406	9
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	222	7	NUCLEAR SCIENCE TECHNOLOGY	120	8,5
COMPUTER SCIENCE HARDWARE ARCHITECTU	22	5	NURSING	109	4
COMPUTER SCIENCE INFORMATION SYSTEMS	84	5	NUTRITION DIETETICS	167	10
COMPUTER SCIENCE INTERDISCIPLINARY APPL	51	6	OBSTETRICS GYNECOLOGY	113	11
COMPUTER SCIENCE SOFTWARE ENGINEERING	94	6	OCEANOGRAPHY	397	8
COMPUTER SCIENCE THEORY METHODS	185	6	ONCOLOGY	1088	10
CONSTRUCTION BUILDING TECHNOLOGY	66	7	OPERATIONS RESEARCH MANAGEMENT SCIEN	137	9
CRIMINOLOGY PENOLOGY	36	3	OPHTHALMOLOGY	204	7,5
CRITICAL CARE MEDICINE	56	13	OPTICS	1227	13
CRYSTALLOGRAPHY	40	10	ORNITHOLOGY	45	4
DENTISTRY ORAL SURGERY MEDICINE	137	9	ORTHOPEDICS	103	12
DERMATOLOGY	103	9	OTORHINOLARYNGOLOGY	66	10
DEVELOPMENTAL BIOLOGY	188	5	PALEONTOLOGY	116	9,5
ECOLOGY	1245	11	PARASITOLOGY	125	9
ECONOMICS	399	5	PATHOLOGY	71	10,5
EDUCATION EDUCATIONAL RESEARCH	183	3	PEDIATRICS	152	9
EDUCATION SCIENTIFIC DISCIPLINES	30	7	PERIPHERAL VASCULAR DISEASE	113	11
EDUCATION SPECIAL	19	4	PHARMACOLOGY PHARMACY	579	8
ELECTROCHEMISTRY	268	10,5	PHILOSOPHY	22	2,5
EMERGENCY MEDICINE	50	3	PHYSICS APPLIED	2065	12
ENDOCRINOLOGY METABOLISM	425	9	PHYSICS ATOMIC MOLECULAR CHEMICAL	279	13
ENERGY FUELS	238	10	PHYSICS CONDENSED MATTER	1426	13
ENGINEERING AEROSPACE	71	5	PHYSICS FLUIDS PLASMAS	261	14
ENGINEERING BIOMEDICAL	391	11	PHYSICS MATHEMATICAL	183	10
ENGINEERING CIVIL	179	8	PHYSICS MULTIDISCIPLINARY	703	9
ENGINEERING ELECTRICAL ELECTRONIC	962	9	PHYSICS NUCLEAR	174	21
ENGINEERING ENVIRONMENTAL	42	7,5	PHYSICS PARTICLES FIELDS	221	20,5
ENGINEERING GEOLOGICAL	44	10	PHYSIOLOGY	153	7
ENGINEERING CHEMICAL	381	8,5	PLANT SCIENCES	955	7
ENGINEERING MANUFACTURING	46	8	POLITICAL SCIENCE	137	4
ENGINEERING MECHANICAL	346	9	POLYMER SCIENCE	679	10
ENGINEERING MULTIDISCIPLINARY	18	9	PSYCHIATRY	586	14
ENTOMOLOGY	151	7	PSYCHOLOGY	29	8,5
ENVIRONMENTAL SCIENCES	1234	10	PSYCHOLOGY APPLIED	58	6
ENVIRONMENTAL STUDIES	66	6	PSYCHOLOGY CLINICAL	138	9
EVOLUTIONARY BIOLOGY	162	11	PSYCHOLOGY DEVELOPMENTAL	103	9
FAMILY STUDIES	17	8,5	PSYCHOLOGY EDUCATIONAL	40	6
FISHERIES	100	9	PSYCHOLOGY EXPERIMENTAL	292	8
FOOD SCIENCE TECHNOLOGY	247	9,5	PSYCHOLOGY MULTIDISCIPLINARY	61	5,5
FORESTRY	141	5	PSYCHOLOGY SOCIAL	130	7

GASTROENTEROLOGY HEPATOLOGY	251	10	PUBLIC ADMINISTRATION	35	3
GENETICS HEREDITY	812	10	PUBLIC ENVIRONMENTAL OCCUPATIONAL HE/	589	12
GEOGRAPHY	110	5	RADIOLOGY NUCLEAR MEDICINE MEDICAL IM/	662	12
GEOGRAPHY PHYSICAL	29	7	REHABILITATION	91	8
GEOCHEMISTRY GEOPHYSICS	1080	9	REMOTE SENSING	167	13
GEOLOGY	45	6	REPRODUCTIVE BIOLOGY	82	9
GEOSCIENCES MULTIDISCIPLINARY	1040	9	RESPIRATORY SYSTEM	111	10,5
GERIATRICS GERONTOLOGY	56	12	RHEUMATOLOGY	131	8
GERONTOLOGY	28	7	ROBOTICS	56	7
HEALTH CARE SCIENCES SERVICES	112	9	SOCIAL SCIENCES INTERDISCIPLINARY	24	3
HEALTH POLICY SERVICES	19	9,5	SOCIAL WORK	21	6,5
HEMATOLOGY	324	9	SOCIOLOGY	63	6
HISTORY	28	1	SOIL SCIENCE	181	9
HISTORY PHILOSOPHY OF SCIENCE	16	2	SPECTROSCOPY	59	7
HORTICULTURE	45	5,5	SPORT SCIENCES	158	9
HOSPITALITY LEISURE SPORT TOURISM	27	4	STATISTICS PROBABILITY	139	6
CHEMISTRY ANALYTICAL	486	8	SUBSTANCE ABUSE	77	14,5
CHEMISTRY INORGANIC NUCLEAR	477	11	SURGERY	279	9
CHEMISTRY MEDICINAL	236	9	TELECOMMUNICATIONS	80	8,5
CHEMISTRY MULTIDISCIPLINARY	2051	10	THERMODYNAMICS	42	10
CHEMISTRY ORGANIC	631	7	TOXICOLOGY	153	8
CHEMISTRY PHYSICAL	2297	12	TRANSPLANTATION	27	9
IMMUNOLOGY	778	9	TRANSPORTATION	38	7,5
INFECTIOUS DISEASES	171	13	TRANSPORTATION SCIENCE TECHNOLOGY	47	8,5
INFORMATION SCIENCE LIBRARY SCIENCE	236	1	UROLOGY NEPHROLOGY	173	10
INSTRUMENTS INSTRUMENTATION	63	8,5	VETERINARY SCIENCES	333	7
INTERNATIONAL RELATIONS	17	3	VIROLOGY	372	8
LAW	17	2	WATER RESOURCES	364	10
LINGUISTICS	31	4	ZOOLOGY	214	7