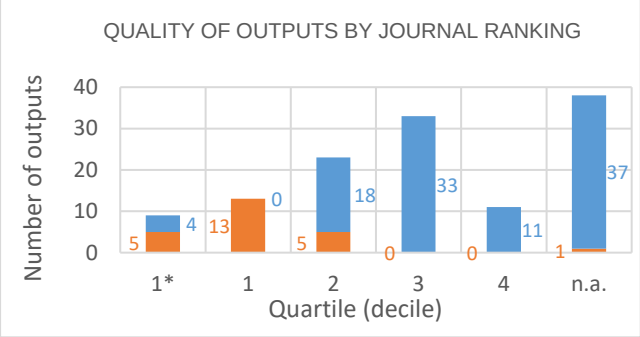
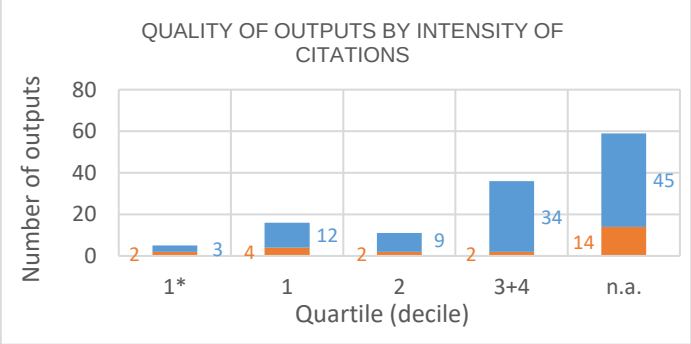
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Scientific Instruments of the CAS, v. v. i.
Team: Electron Microscopy
Head: Radlička Tomáš
Field: Other engineering and technologies
Total number of outputs: 127 **Evaluated outputs:** 24





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	4	23
B	4	19
B1	5	25
C	5	20
C1	2	4
D	3	9
D1		
E		
n.a.	1	2
Without affiliation		1
A1+B1+C1+D1	11	52
B+C+D+E	12	48

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Optics		35
Microscopy	8	24
Instruments Instrumentation		20
Physics Particles Fields		16
Materials Science Multidisciplinary	4	11
Multidisciplinary Sciences		9
Physics Applied	2	7
Biotechnology Applied Microbiology	1	7
Physics Condensed Matter	1	7
Chemistry Physical	3	4
Materials Science Coatings Films	1	4
Nanoscience Nanotechnology	3	2
Biochemical Research Methods	1	3
Biology		4
Chemistry Multidisciplinary	1	3
Pharmacology Pharmacy		4
Anatomy Morphology		3
Environmental Sciences	1	2
Microbiology		3
n.a.	1	2

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.
Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.
Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.
Quality of outputs by intensity of citations: number of outputs in the top decile (1*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.
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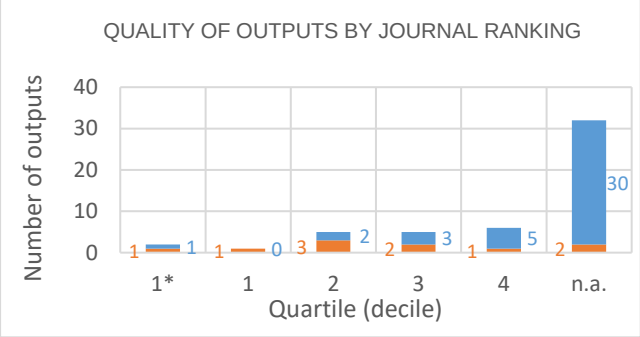
Field structure of outputs: number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.
Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.

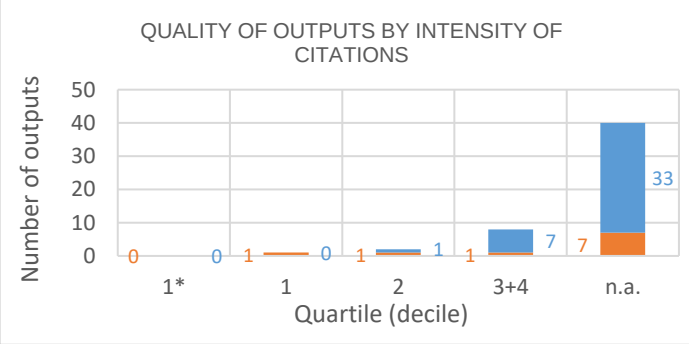
NOTE: The significance of bibliometrics in technical sciences is very limited.

Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Scientific Instruments of the CAS, v. v. i.
Team: New Technologies
Head: Zobač Martin
Field: Nano-technology
Total number of outputs: 51 **Evaluated outputs:** 10





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	2	20
B	1	6
B1	4	8
C		1
C1		5
D	1	
D1		
E		
n.a.	2	1
Without affiliation		
A1+B1+C1+D1	6	33
B+C+D+E	2	7

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Optics	2	20
Nanoscience Nanotechnology	3	11
Materials Science Multidisciplinary	4	9
Physics Applied	5	7
Instruments Instrumentation	1	9
Engineering Electrical Electronic	2	6
Microscopy	1	7
Physics Particles Fields		5
n.a.	2	1
Physics Condensed Matter	3	
Metallurgy Metallurgical Engineering		2
Quantum Science Technology		2
Engineering Mechanical		1
Chemistry Analytical	1	
Chemistry Multidisciplinary	1	
Chemistry Physical	1	
Imaging Science Photographic Techn		1
Materials Science Coatings Films	1	
Polymer Science		1
Thermodynamics		1

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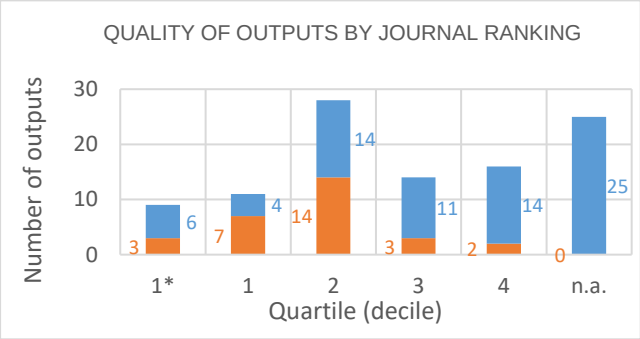
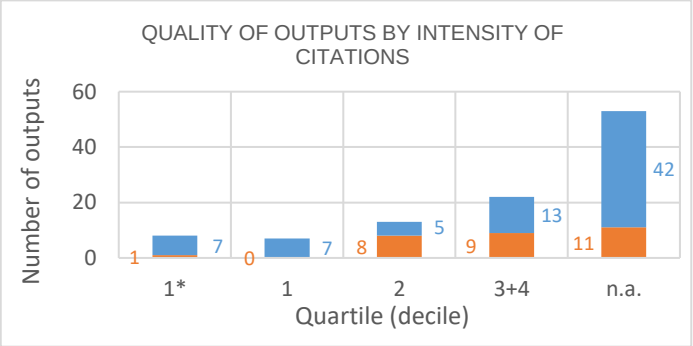
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Scientific Instruments of the CAS, v. v. i.
Team: Magnetic Resonance and Cryogenics
Head: Starčuk Zenon
Field: Other engineering and technologies
Total number of outputs: 103 **Evaluated outputs:** 29





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	7	2
B	2	20
B1	3	3
C	6	5
C1	3	2
D	6	33
D1	2	2
E		1
n.a.		4
Without affiliation		2
A1+B1+C1+D1	15	9
B+C+D+E	14	59

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Physics Particles Fields		24
Astronomy Astrophysics		19
Physics Nuclear	1	17
Engineering Electrical Electronic		12
Physics Applied	4	7
Radiology Nuclear Medicine Medical I	7	3
Instruments Instrumentation	1	8
Neurosciences	5	3
Materials Science Multidisciplinary	3	1
Multidisciplinary Sciences	2	2
n.a.		4
Thermodynamics	2	2
Biochemical Research Methods	3	
Computer Science Theory Methods		3
Mathematical Computational Biology	2	1
Mechanics	2	1
Pharmacology Pharmacy	2	1
Physics Fluids Plasmas	3	
Physics Multidisciplinary		3
Biochemistry Molecular Biology	2	

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
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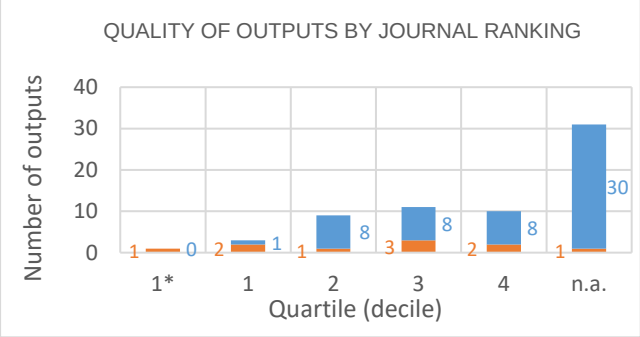
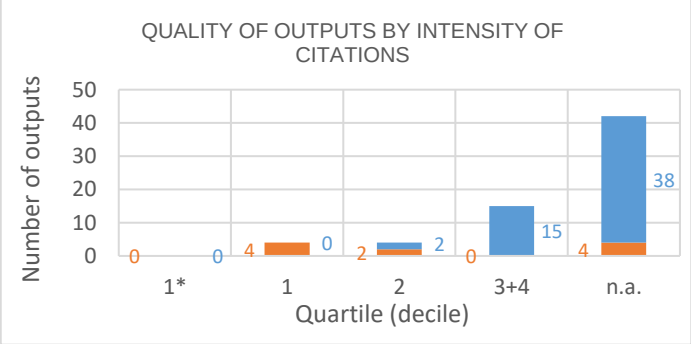
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Scientific Instruments of the CAS, v. v. i.
Team: Medical signals
Head: Jurák Pavel
Field: Medical engineering
Total number of outputs: 65 **Evaluated outputs:** 10





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	6
B		16
B1	1	10
C		1
C1	1	2
D	2	9
D1	2	2
E		
n.a.	1	9
Without affiliation		
A1+B1+C1+D1	7	20
B+C+D+E	2	26

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Engineering Biomedical	3	26
Computer Science Interdisciplinary A	1	16
Cardiac Cardiovascular Systems	2	13
Neurosciences	2	10
n.a.	1	9
Physiology	3	5
Clinical Neurology	1	5
Biophysics	3	2
Engineering Multidisciplinary		5
Multidisciplinary Sciences	2	2
Radiology Nuclear Medicine Medical I		3
Engineering Electrical Electronic		2
Medical Informatics		2
Biotechnology Applied Microbiology		1
Computer Science Software Engineer		1
Critical Care Medicine		1
Mathematical Computational Biology		1
Medicine General Internal		1
Medicine Research Experimental		1
Nursing		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
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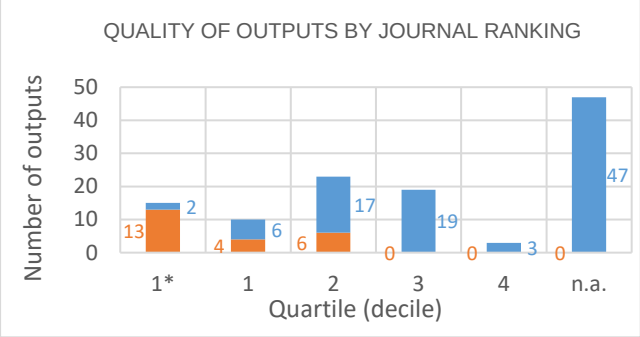
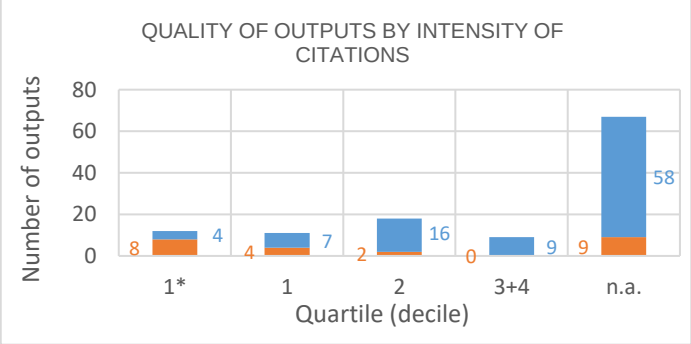
Institute: Institute of Scientific Instruments of the CAS, v. v. i.
Team: Microphotonics
Head: Zemánek Pavel
Field: Other engineering and technologies
Total number of outputs: 117 **Evaluated outputs:** 23





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	6	17
B	2	11
B1		20
C	2	22
C1	9	15
D	3	5
D1	1	3
E		
n.a.		
Without affiliation		1
A1+B1+C1+D1	16	55
B+C+D+E	7	38

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Optics	9	64
Physics Applied	5	20
Instruments Instrumentation		14
Nanoscience Nanotechnology	6	5
Engineering Electrical Electronic		10
Materials Science Multidisciplinary	6	2
Chemistry Analytical	1	6
Chemistry Physical	5	2
Multidisciplinary Sciences	3	4
Physics Particles Fields		7
Chemistry Multidisciplinary	4	2
Physics Condensed Matter	4	2
Quantum Science Technology		6
Engineering Biomedical		5
Biotechnology Applied Microbiology	1	3
Physics Multidisciplinary	4	
Microbiology		3
Physics Fluids Plasmas		3
Radiology Nuclear Medicine Medical I		3
Spectroscopy		3

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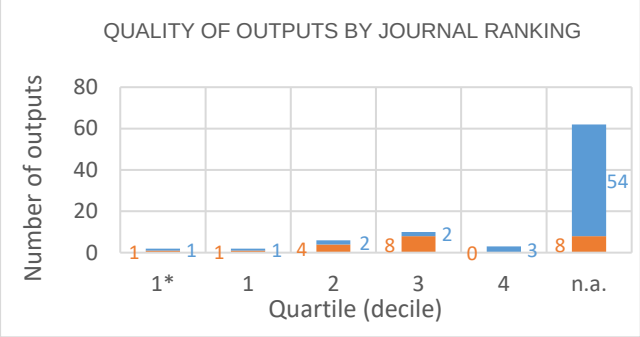
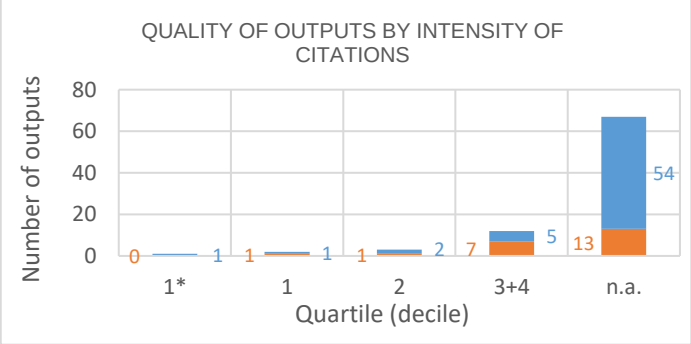
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Scientific Instruments of the CAS, v. v. i.
Team: Coherence Optics
Head: Lazar Josef
Field: Other engineering and technologies
Total number of outputs: 85 **Evaluated outputs:** 22





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	4	20
B	2	4
B1	3	20
C	2	7
C1	3	6
D		4
D1		
E		
n.a.	8	1
Without affiliation		1
A1+B1+C1+D1	10	46
B+C+D+E	4	15

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Optics	5	43
Physics Applied	2	25
Instruments Instrumentation	5	18
Engineering Electrical Electronic	2	10
n.a.	8	1
Quantum Science Technology		6
Computer Science Theory Methods		5
Metallurgy Metallurgical Engineering	1	3
Engineering Multidisciplinary	2	1
Chemistry Analytical	2	1
Materials Science Multidisciplinary	2	1
Physics Particles Fields		3
Remote Sensing		3
Telecommunications		3
Engineering Manufacturing	1	1
Physics Multidisciplinary	2	
Automation Control Systems		1
Computer Science Information Syster		1
Materials Science Coatings Films		1
Microscopy		1

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