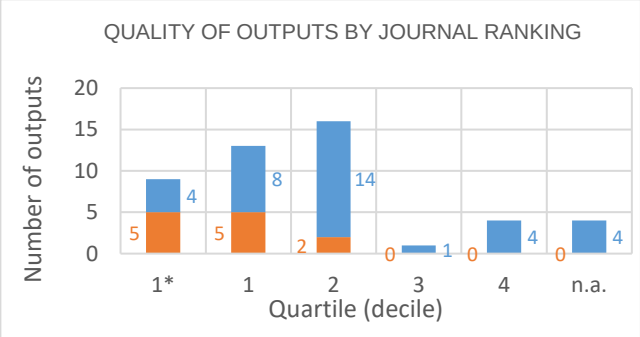
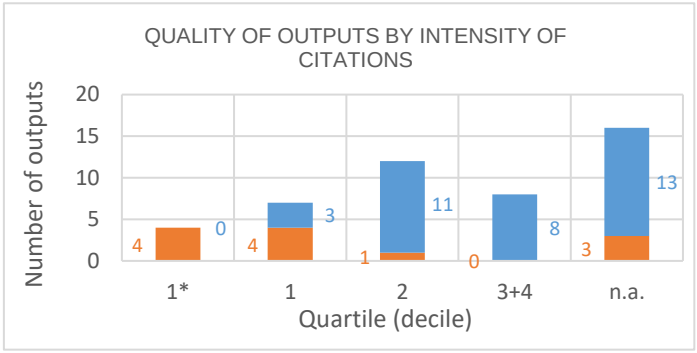
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

Institute: Institute of Photonics and Electronics of the CAS, v. v. i.
Team: Optical biosensors
Head: Prof. Jiří Homola, Ph.D., DSc.
Field: Physical sciences
Total number of outputs: 47 **Evaluated outputs:** 12





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	4	7
B	1	7
B1	3	5
C	2	14
C1	2	2
D		
D1		
E		
n.a.		
Without affiliation		
A1+B1+C1+D1	9	14
B+C+D+E	3	21

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Chemistry Analytical	8	11
Optics	1	9
Nanoscience Nanotechnology	4	3
Biochemical Research Methods	1	5
Electrochemistry	3	3
Chemistry Multidisciplinary	1	4
Physics Applied	2	3
Engineering Electrical Electronic	1	3
Chemistry Physical		4
Biophysics	3	
Biotechnology Applied Microbiology	3	
Instruments Instrumentation		3
Materials Science Multidisciplinary	1	2
Multidisciplinary Sciences		2
Physics Atomic Molecular Chemical		2
Spectroscopy	1	1
Immunology		1
Peripheral Vascular Disease		1
Physics Condensed Matter	1	
Physiology		1

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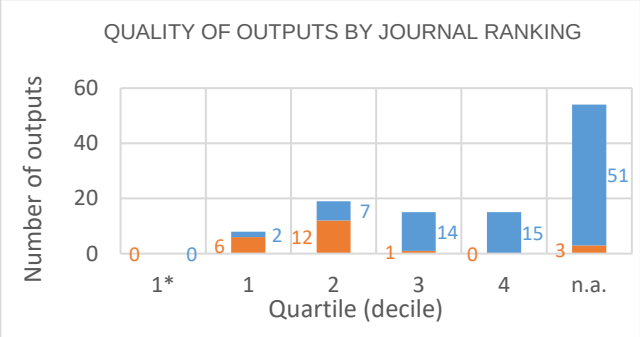
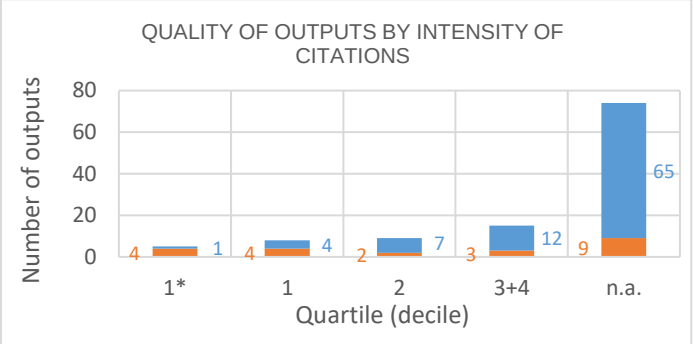
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Photonics and Electronics of the CAS, v. v. i.
Team: Fiber lasers and nonlinear optics
Head: Pavel Honzátko, Ph.D.
Field: Physical sciences
Total number of outputs: 111 **Evaluated outputs:** 22





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	17
B	1	12
B1	2	23
C	5	13
C1	7	13
D		4
D1	1	4
E		
n.a.	2	2
Without affiliation	1	1
A1+B1+C1+D1	13	57
B+C+D+E	6	29

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Optics	17	66
Physics Applied	4	36
Engineering Electrical Electronic	4	33
Materials Science Multidisciplinary	1	17
Physics Atomic Molecular Chemical	3	4
Quantum Science Technology	2	5
Telecommunications		7
Instruments Instrumentation	1	5
Materials Science Ceramics	2	3
Chemistry Physical		4
n.a.	2	1
Nanoscience Nanotechnology		3
Biophysics	1	1
Biotechnology Applied Microbiology		2
Chemistry Multidisciplinary		2
Metallurgy Metallurgical Engineering		2
Multidisciplinary Sciences		2
Biochemical Research Methods	1	
Electrochemistry		1
Engineering Multidisciplinary		1

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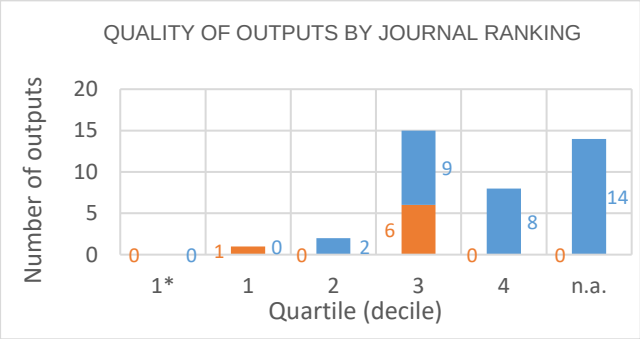
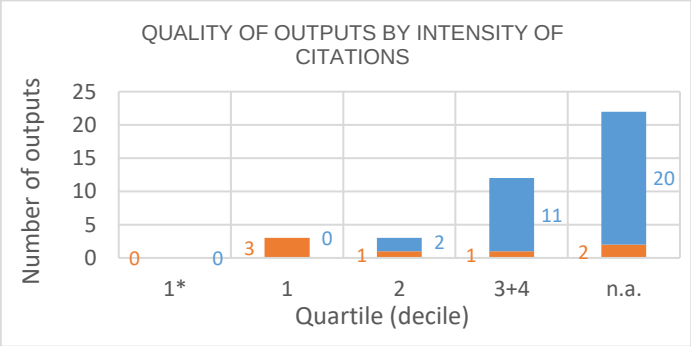
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Institute of Photonics and Electronics of the CAS, v. v. i.
Team: Synthesis and characterization of nanomaterials
Head: Jan Grym, Ph.D.
Field: Electrical engineering, Electronic engineering, Information engineering
Total number of outputs: 40 **Evaluated outputs:** 7





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	9
B	1	4
B1		6
C	1	4
C1	2	1
D		5
D1		1
E		
n.a.		
Without affiliation		3
A1+B1+C1+D1	5	17
B+C+D+E	2	13

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	4	13
Physics Applied	3	13
Nanoscience Nanotechnology	1	9
Engineering Electrical Electronic	2	7
Physics Condensed Matter	4	5
Optics		5
Chemistry Physical	2	1
Instruments Instrumentation		3
Materials Science Ceramics		2
Metallurgy Metallurgical Engineering	2	
Nuclear Science Technology		2
Crystallography		1
Chemistry Multidisciplinary		1
Materials Science Coatings Films		1
Materials Science Characterization Te		1
Physics Atomic Molecular Chemical		1
Physics Fluids Plasmas		1
Physics Nuclear		1

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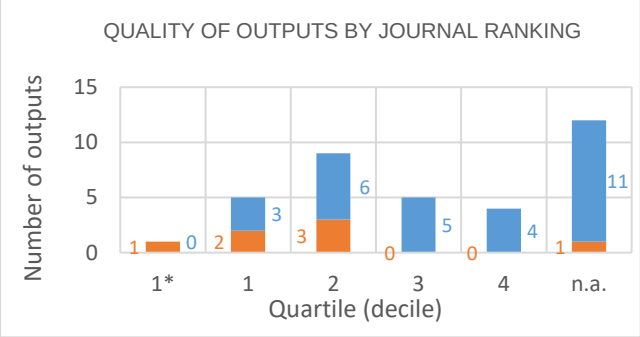
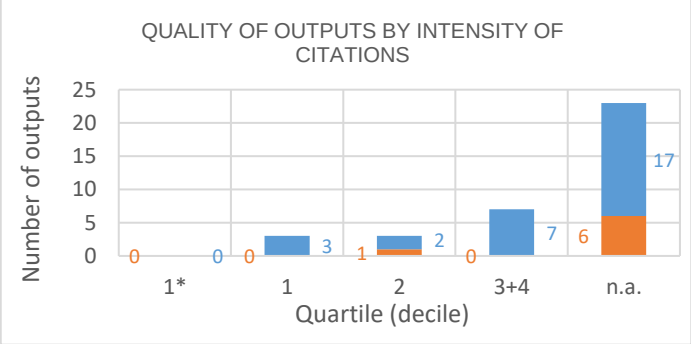
NOTE: The significance of bibliometrics in technical sciences is very limited.

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 Photonics and Electronics of the CAS, v. v. i.
Team: Bioelectrodynamics
Head: Michal Cifra, Ph.D.
Field: Electrical engineering, Electronic engineering, Information engineering
Total number of outputs: 36 **Evaluated outputs:** 7





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	4
B		3
B1	3	3
C		6
C1	1	3
D		3
D1	1	1
E		
n.a.	1	6
Without affiliation		
A1+B1+C1+D1	6	11
B+C+D+E		12

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
n.a.	1	6
Multidisciplinary Sciences	2	4
Biochemistry Molecular Biology		5
Biophysics		4
Physics Applied	1	3
Engineering Electrical Electronic		3
Instruments Instrumentation	1	2
Optics		3
Physics Multidisciplinary	1	2
Cell Biology		2
Chemistry Physical	1	1
Materials Science Multidisciplinary	2	
Physics Condensed Matter	1	1
Acoustics		1
Biology		1
Computer Science Interdisciplinary A		1
Electrochemistry	1	
Chemistry Analytical	1	
Chemistry Medicinal		1
Chemistry Multidisciplinary	1	

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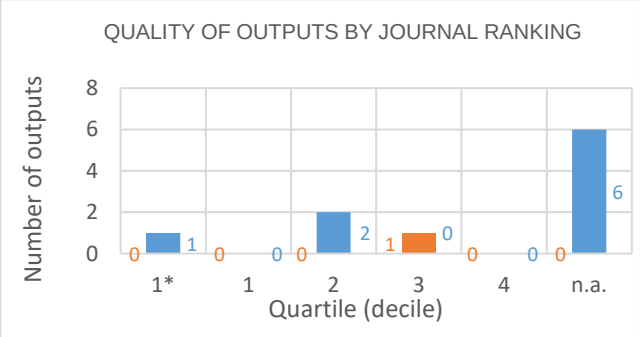
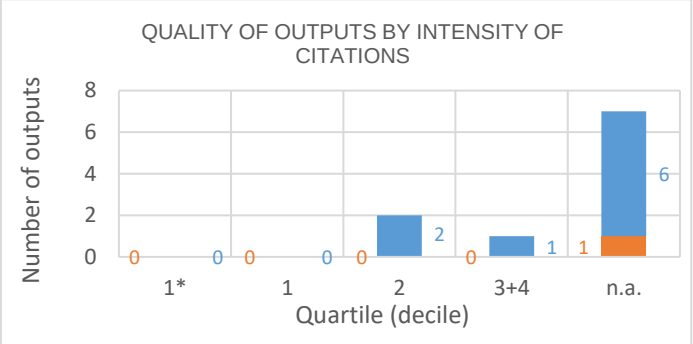
Institute: Institute of Photonics and Electronics of the CAS, v. v. i.
Team: Nano Optics
Head: Marek Piliarik, Ph.D.
Field: Physical sciences
Total number of outputs: 10 **Evaluated outputs:** 1





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	4
B		
B1		1
C		
C1		1
D		
D1		
E		
n.a.		3
Without affiliation		
A1+B1+C1+D1	1	6
B+C+D+E		

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Optics	1	4
n.a.		3
Engineering Electrical Electronic		2
Instruments Instrumentation		2
Nanoscience Nanotechnology		2
Chemistry Analytical		1
Chemistry Physical		1
Materials Science Multidisciplinary		1
Physics Applied	1	
Spectroscopy		1

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