

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.

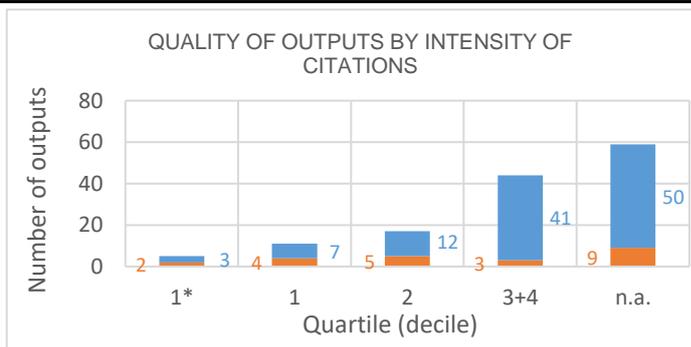
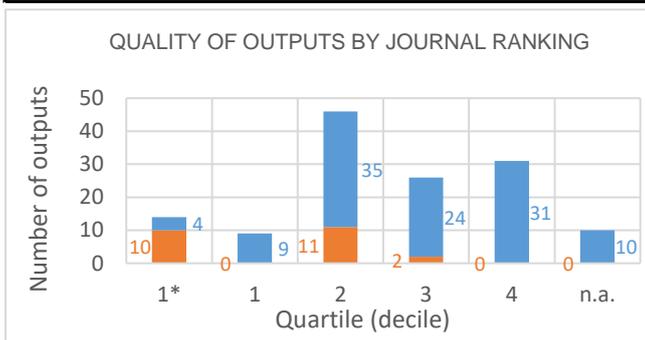
Institute: Institute of Physics of Materials of the CAS, v. v. i.

Team: Advanced High-temperature Materials Group

Head: prof. RNDr. Antonín Dlouhý, CSc.

Field: Materials engineering

Total number of outputs: 136 **Evaluated outputs:** 23



TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		9
B	1	13
B1	10	25
C	9	43
C1	2	18
D		3
D1		1
E		
n.a.		
Without affiliation	1	1
A1+B1+C1+D1	12	53
B+C+D+E	10	59

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	21	82
Metallurgy Metallurgical Engineering	17	59
Nanoscience Nanotechnology	5	22
Mechanics	4	11
Physics Applied	1	14
Engineering Mechanical	3	8
Materials Science Characterization Te	3	8
Physics Condensed Matter	1	8
Physics Multidisciplinary		6
Food Science Technology		2
Chemistry Physical	2	
Engineering Biomedical		1
Engineering Electrical Electronic		1
Engineering Industrial		1
Engineering Multidisciplinary		1
Geosciences Multidisciplinary		1
Materials Science Biomaterials		1
Materials Science Coatings Films	1	
Nuclear Science Technology		1
Transportation Science Technology		1

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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.

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

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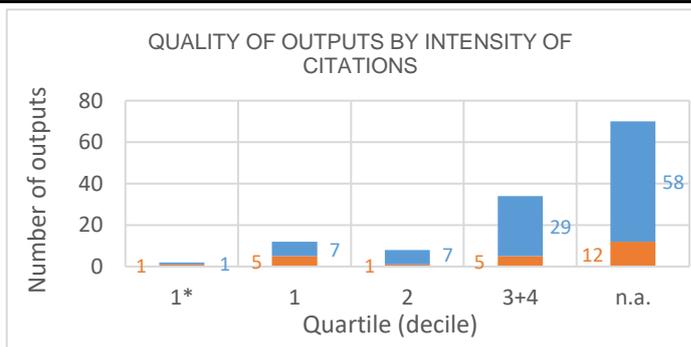
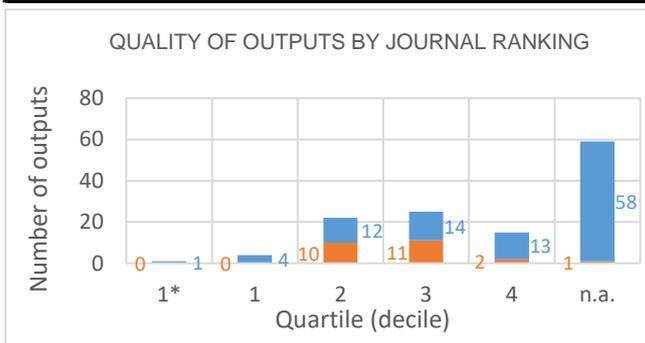
Institute: Institute of Physics of Materials of the CAS, v. v. i.

Team: High Cycle Fatigue Group

Head: doc. Ing. Pavel Hutař, Ph.D.

Field: Materials engineering

Total number of outputs: 126 **Evaluated outputs:** 24



TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	9
B	2	23
B1	6	19
C	6	32
C1	3	14
D		3
D1	3	1
E		
n.a.	1	
Without affiliation		1
A1+B1+C1+D1	15	43
B+C+D+E	8	58

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	8	54
Engineering Mechanical	13	34
Mechanics	10	6
Metallurgy Metallurgical Engineering	1	13
Construction Building Technology		7
Engineering Civil		7
Materials Science Characterization Te	2	5
Engineering Multidisciplinary		6
Physics Applied	2	4
Polymer Science	1	5
Engineering Biomedical	1	4
Materials Science Coatings Films	2	3
Electrochemistry		4
Nanoscience Nanotechnology		4
Transportation Science Technology		3
Engineering Industrial		2
Engineering Manufacturing		2
Materials Science Biomaterials	1	1
n.a.	1	1
Physics Condensed Matter	1	1

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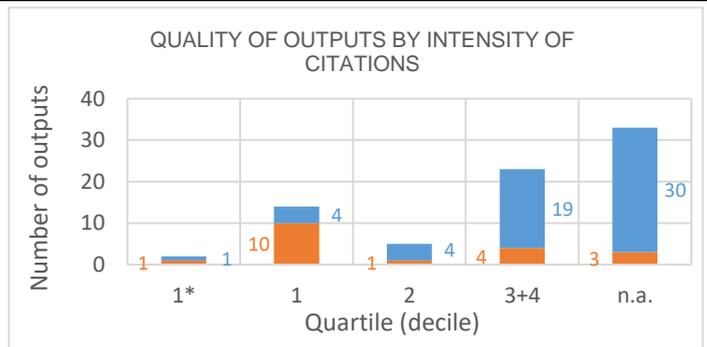
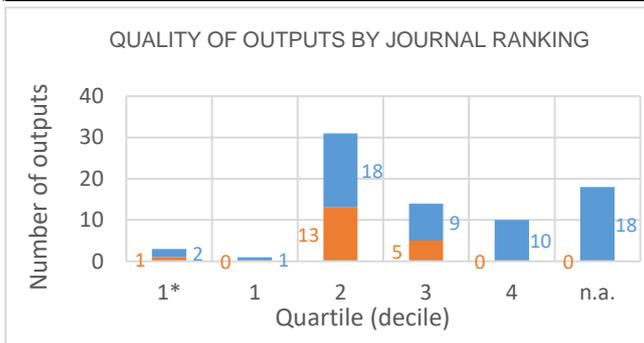
Institute: Institute of Physics of Materials of the CAS, v. v. i.

Team: Low Cycle Fatigue Group

Head: ing. Jiří Man, PhD.

Field: Materials engineering

Total number of outputs: 77 **Evaluated outputs:** 19



TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	8
B	1	2
B1	7	22
C	4	15
C1	6	9
D		1
D1		
E		
n.a.		1
Without affiliation		
A1+B1+C1+D1	14	39
B+C+D+E	5	18

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	16	33
Metallurgy Metallurgical Engineering	5	22
Engineering Mechanical	8	14
Nanoscience Nanotechnology	4	7
Materials Science Coatings Films		5
Mechanics	4	1
Physics Applied		5
Electrochemistry		4
Materials Science Characterization Te		3
Nuclear Science Technology	1	2
Physics Condensed Matter	1	2
Engineering Multidisciplinary		2
n.a.		2
Physics Multidisciplinary		2
Construction Building Technology		1
Engineering Biomedical		1
Engineering Civil		1
Engineering Manufacturing		1
Materials Science Composites		1

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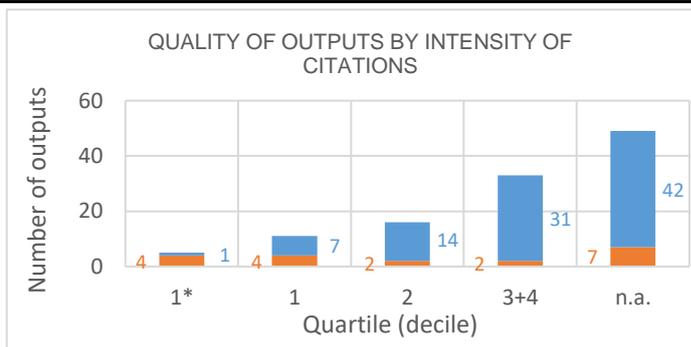
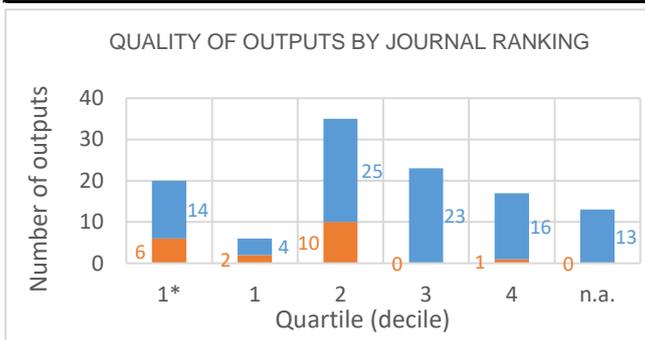
Institute: Institute of Physics of Materials of the CAS, v. v. i.

Team: Brittle Fracture Group

Head: prof. ing. Ivo Dlouhý, CSc.

Field: Materials engineering

Total number of outputs: 114 **Evaluated outputs:** 19



TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	4
B	2	24
B1	4	13
C	5	30
C1	7	15
D		5
D1		
E		
n.a.		4
Without affiliation		
A1+B1+C1+D1	12	32
B+C+D+E	7	59

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	8	40
Materials Science Ceramics	7	28
Metallurgy Metallurgical Engineering	7	18
Nanoscience Nanotechnology	6	7
Engineering Mechanical		12
Physics Applied	1	7
Nuclear Science Technology		6
Mechanics	1	4
Physics Multidisciplinary		5
Chemistry Physical	1	3
Materials Science Coatings Films		4
Materials Science Composites	3	
n.a.		3
Physics Condensed Matter	1	2
Polymer Science	1	1
Energy Fuels		1
Engineering Manufacturing	1	
Engineering Multidisciplinary	1	
Environmental Sciences		1
Geography Physical		1

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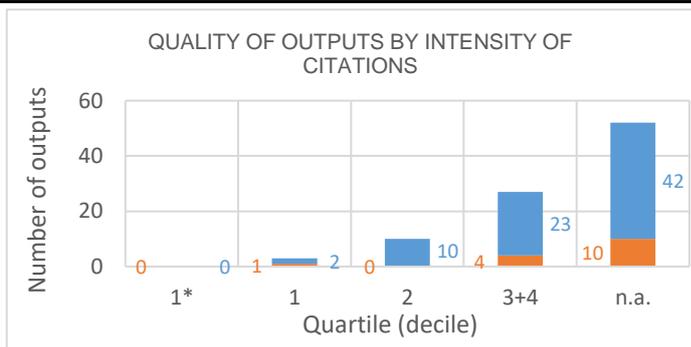
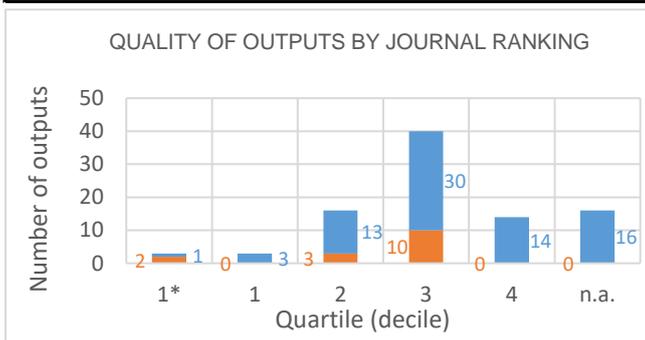
Institute: Institute of Physics of Materials of the CAS, v. v. i.

Team: Structure of Phases and Thermodynamics Group

Head: RNDr. Aleš Kroupa, CSc.

Field: Materials engineering

Total number of outputs: 92 **Evaluated outputs:** 15



TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		3
B		14
B1	8	24
C	4	17
C1	1	6
D	1	8
D1	1	1
E		
n.a.		4
Without affiliation		
A1+B1+C1+D1	10	34
B+C+D+E	5	39

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	10	46
Metallurgy Metallurgical Engineering	6	36
Chemistry Physical	8	18
Physics Applied	1	13
Nanoscience Nanotechnology		10
Thermodynamics	2	8
Physics Condensed Matter	3	5
Electrochemistry	3	1
Energy Fuels	3	1
Materials Science Characterization Techniques		4
n.a.		4
Physics Multidisciplinary		4
Chemistry Multidisciplinary		3
Materials Science Coatings Films		3
Physics Atomic Molecular Chemical	1	2
Engineering Mechanical	2	
Materials Science Ceramics		2
Engineering Electrical Electronic		1
Engineering Multidisciplinary	1	
Chemistry Inorganic Nuclear		1

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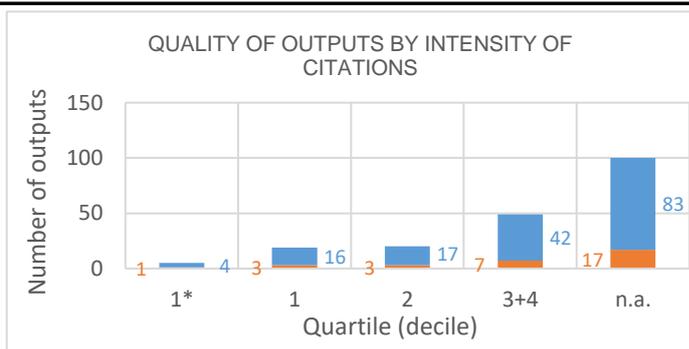
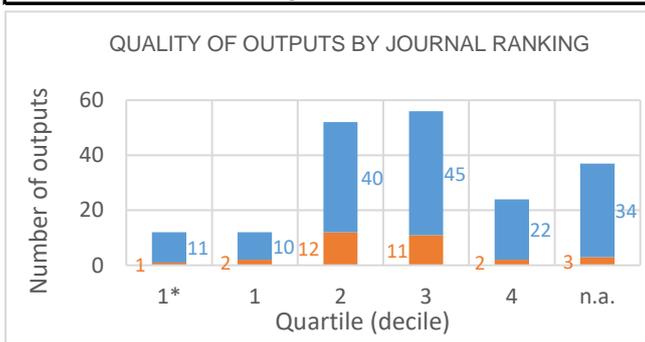
Institute: Institute of Physics of Materials of the CAS, v. v. i.

Team: Electrical and Magnetic Properties Group

Head: Mgr. Martin Friák, PhD.

Field: Materials engineering

Total number of outputs: 193 **Evaluated outputs:** 31



TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	5
B		28
B1	6	35
C	1	44
C1	14	24
D		16
D1	6	5
E		
n.a.	1	5
Without affiliation		
A1+B1+C1+D1	29	69
B+C+D+E	1	88

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	26	92
Metallurgy Metallurgical Engineering	6	41
Physics Applied	10	37
Physics Condensed Matter	10	27
Nanoscience Nanotechnology	6	18
Chemistry Physical	1	20
Physics Multidisciplinary		11
n.a.	1	5
Electrochemistry	1	3
Chemistry Multidisciplinary		4
Instruments Instrumentation		4
Nuclear Science Technology	2	2
Physics Atomic Molecular Chemical		4
Energy Fuels	1	2
Engineering Electrical Electronic	1	2
Chemistry Analytical		3
Materials Science Ceramics		3
Materials Science Coatings Films	1	2
Mechanics		3
Multidisciplinary Sciences		3

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