



**Czech Academy  
of Sciences**

# **Report of the I. phase of the Evaluation of the research and professional activity of research-oriented institutes of the Czech Academy of Sciences for the period 2015-2019**

**FIELD: MATERIALS ENGINEERING**

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

**TEAM: Brittle Fracture Group**

## Profiles for teams

**FIELD: MATERIALS ENGINEERING**

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

**TEAM: Brittle Fracture Group**

**EVALUATED OUTPUTS: 19**

**FC= 6,76**

**N<sub>rp</sub>= 12**

**HEAD: prof. ing. Ivo Dlouhý, CSc.**

### QUALITY GROUPS OF OUTPUTS

QUALITY	1	2	3	4	5
OUTPUTS, N	4	8	7	0	0
FRACTIONAL COUNT, FC	1,4	2,95	2,42	0	0
TEAM REPRINT AUTHOR, N <sub>rp</sub>	3	3	6	0	0

**Average rating of team: 2,16**

FC is the fractional count calculated in a similar way as in Nature Index ( $FC=a/b$ , where a is the number of authors of the team and b is the total number of authors),  $FC_{1,2}$  is fractional count for grading levels 1 and 2.  $N_{RP}$  is the number of outputs with reprint author from the team,  $N_{RP,1,2}$  is the number of outputs with own reprint author for grading levels 1 and 2.

Number of outputs (N) will be alternatively shown with fractional count, FC, where possible. This information is important for those fields of science where affiliation of reprint autor does not represent relevant information.



## Types of collaboration and subfields of teams

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Quality Levels and Types of Collaboration					
Type of Collaboration	1	2	3	4	5
A1			1		
B		2			
B1	1	1	2		
C	1	3	1		
C1	2	2	3		
D					
D1					
E					
n.a.					
Without affiliation					
A1+B1+C1+D1	3	3	6		
B+C+D	1	5	1		

Quality Levels and Subfields Structure of Outputs					
Field of Structure of Outputs	1	2	3	4	5
Engineering Manufacturing			1		
Engineering Multidisciplinary			1		
Chemistry Multidisciplinary	1				
Chemistry Physical	1				
Materials Science Ceramics	2	4	1		
Materials Science Composites			3		
Materials Science Multidisciplinary	2	3	3		
Materials Science Paper Wood		1			
Materials Science Textiles		1			
Mechanics			1		
Metallurgy Metallurgical Engineering	1	3	3		
Nanoscience Nanotechnology	2	2	2		
Physics Applied	1				
Physics Condensed Matter	1				
Polymer Science		1			