

# Sergey Barinov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3037554/publications.pdf>

Version: 2024-02-01

17  
papers

29  
citations

2682335

2  
h-index

2272820

4  
g-index

17  
all docs

17  
docs citations

17  
times ranked

4  
citing authors

#	ARTICLE	IF	CITATIONS
1	The investigation of the deformation wave hardening effect on the strength of the medium and low alloy steels. IOP Conference Series: Materials Science and Engineering, 2017, 177, 012121.	0.3	5
2	Strengthening of surface layer of material by wave deformation multi-contact loading. IOP Conference Series: Materials Science and Engineering, 2018, 327, 042011.	0.3	4
3	Study of the influence of cross section sizes of the rod shock system on the efficiency of shock pulse energy transfer to the deformation center. Journal of Physics: Conference Series, 2020, 1479, 012067.	0.3	4
4	Increasing durability by deformational hardening under the conditions of back-to-back endurance by creating heterogeneous patterns. IOP Conference Series: Materials Science and Engineering, 2016, 124, 012158.	0.3	3
5	Investigation of the influence of the geometrical dimensions of the striker on the efficiency of energy transfer of shock pulses during wave strain hardening. MATEC Web of Conferences, 2019, 297, 05012.	0.1	2
6	MATERIAL MODELS AT RESEARCH OF WAVE DEFORMATION STRENGTHENING THROUGH FINITE ELEMENT METHOD. Bulletin of Bryansk State Technical University, 2021, 2021, 28-33.	0.1	2
7	Study of the Influence of the Shape of Internal Cavities on the Nature of Wave Strain Hardening. Materials Science Forum, 0, 1037, 429-434.	0.3	2
8	MICRO-STRUCTURAL CHANGES IN STEEL 45 CAUSED BY WAVE STRAIN STRENGTHENING. Bulletin of Bryansk State Technical University, 2017, 2017, 79-85.	0.1	2
9	Visualizing the Process of Forming a Shock Pulse in the Deformation Zone. , 2019, , .		2
10	Structural heredity influence upon principles of strain wave hardening. IOP Conference Series: Materials Science and Engineering, 2017, 177, 012144.	0.3	1
11	TEST BENCH FOR INVESTIGATION OF WAVE DEFORMATION STRENGTHENING PROCESSES. Bulletin of Bryansk State Technical University, 2019, 2019, 50-57.	0.1	1
12	Image Processing in Contact Endurance Research. , 2021, , .		1
13	Simulation of multi-contact wave strain hardening. MATEC Web of Conferences, 2019, 297, 05007.	0.1	0
14	Evaluation of the effect of various types of tools on a weld joint during wave strain hardening. IOP Conference Series: Materials Science and Engineering, 2021, 1064, 012002.	0.3	0
15	IMPACT OF MATERIAL AND DIMENSIONS OF PRODUCT UPON PARAMETERS OF WAVE DEFORMATION STRENGTHENING. Bulletin of Bryansk State Technical University, 2021, 2021, 21-27.	0.1	0
16	Visualization of the Process of Processing Welds by a Deformation Wave. , 0, , short39-1-short39-7.		0
17	INFLUENCE OF SHOCK SYSTEM PARAMETERS, WORKPIECE DIMENSIONS AND MATERIAL ON THE EFFICIENCY OF WAVE DEFORMATION HARDENING (MODELING). , 2022, 2022, 40-52.		0