

# Mykola Tkachuk

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

201  
citations

1684188

5  
h-index

1372567

10  
g-index

25  
all docs

25  
docs citations

25  
times ranked

167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contact Interaction of a Ball Piston and a Running Track in a Hydrovolumetric Transmission with Intermediate Deformable Surface Layers. Lecture Notes in Mechanical Engineering, 2022, , 509-520.	0.4	2
2	Contact Interaction of a Ball Piston and a Running Track in a Hydrovolumetric Transmission. Lecture Notes in Mechanical Engineering, 2021, , 195-203.	0.4	1
3	Detuning of a Supercharger Rotor from Critical Rotational Velocities. Lecture Notes in Mechanical Engineering, 2021, , 137-145.	0.4	3
4	CONTACT INTERACTION OF DISCRETE-CONTINUALLY STRENGTHENED PARTS OF INTERNAL COMBUSTION ENGINES. Dvigateli Vnutrennego SgoraniĀ, 2021, , 49-59.	0.1	0
5	SUBSTANTIATION OF DESIGN DECISIONS OF ELEMENTS OF MILITARY OBJECTS IN CONDITIONS OF CONTACT AND PLASTIC DEFORMATION. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 97-103.	0.0	0
6	DEVELOPMENT OF STATISTICALLY AVERAGED MODELS OF DEFORMATION OF MATERIALS WITH RANDOM NETWORK STRUCTURE OF DIFFERENTLY ORIENTED FIBERS. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 94-128.	0.0	0
7	THEORETICAL AND EXPERIMENTAL JUSTIFICATION OF DISCREETLY CONTINUAL STRENGTHENING METHODS BASED ON ANALYSIS OF CONTACT INTERACTION OF MILITARY AND CIVILIAN VEHICLES ELEMENTS. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 53-63.	0.0	0
8	ADVANTAGES AND DISADVANTAGES OF DIFFERENT METHODS FOR STUDYING THE PHASE-STRUCTURAL STATES OF MATERIALS (A REVIEW). Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 51-55.	0.0	0
9	NUMERICAL ANALYSIS OF CONTACT INTERACTION OF BODIES WITH NEARLY FORM SURFACES. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 29-38.	0.0	0
10	CONTACT INTERACTION OF A TORSION SHAFT WITH A SPLINED BUSH IN ELASTICALLY PLASTIC DEFORMATIONS. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 34-46.	0.0	0
11	THEORETICAL BASIS OF PROVIDING THE TECHNICAL CHARACTERISTICS OF MILITARY AND CIVIL VEHICLES BY JUSTIFICATION OF THE FORM AND PROPERTIES OF THE MATERIALS OF CONTACTING ELEMENTS. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 17-22.	0.0	0
12	ANALYSIS THE REACTION OF LIGHTARMOR MACHINES ON THE ACTION OF POLYPULSES FORCES. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 47-52.	0.0	0
13	SENSITIVITY OF STRENGTH, RIGID AND DYNAMIC CHARACTERISTICS OF THE CONSOLE ROTOR TO VARIATION OF DESIGN PARAMETERS. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 104-113.	0.0	0
14	RESEARCH AND EXPERIMENTAL STUDIES OF STRESS-STRAIN STATE OF DISCRETE-CONTINUAL HARDENED MACHINE PARTS. Bulletin of the National Technical University Ā«KhPIĀ» Series Engineering and CAD, 2021, , 5-21.	0.0	0
15	Experimental Tests of Discrete Strengthened Elements of Machine-Building Structures. Lecture Notes in Mechanical Engineering, 2020, , 559-569.	0.4	5
16	A semi-analytical method for analysis of contact interaction between structural elements along aligned surfaces. Eastern-European Journal of Enterprise Technologies, 2020, 1, 16-25.	0.5	12
17	The study of multicomponent loading effect on thin-walled structures with bolted connections. Eastern-European Journal of Enterprise Technologies, 2019, 1, 15-25.	0.5	10
18	Investigation of multiple contact interaction of elements of shearing dies. Eastern-European Journal of Enterprise Technologies, 2019, 4, 6-15.	0.5	8

#	ARTICLE	IF	CITATIONS
19	A thermodynamically consistent and numerically stable formulation for the description of diffusion in polymeric gels. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 487-488.	0.2	0
20	Homogenization of random elastic networks with non-affine kinematics. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 417-418.	0.2	0
21	The maximal advance path constraint for the homogenization of materials with random network microstructure. Philosophical Magazine, 2012, 92, 2779-2808.	1.6	55
22	A micromechanically motivated diffusion-based transient network model and its incorporation into finite rubber viscoelasticity. Journal of the Mechanics and Physics of Solids, 2011, 59, 2134-2156.	4.8	104
23	Microstructural driven computational modeling of polymers. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 557-558.	0.2	1