

# Denis Voroshilov

## List of Publications by Year in descending order

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33  
papers

181  
citations

1307594

7  
h-index

1372567

10  
g-index

41  
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docs citations

41  
times ranked

24  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of strength properties of semi-finished products from economically alloyed high-strength aluminium-scandium alloys for application in automobile transport and shipbuilding. Open Engineering, 2018, 8, 69-76.	1.6	18
2	Modeling and Investigation of the Process of Hot Rolling of Large-Sized Ingots from Aluminum Alloy of the Al-Mg System, Economically Alloyed by Scandium. Materials Science Forum, 0, 943, 58-65.	0.3	15
3	Investigation of the structure and properties of cold-rolled strips from experimental alloy 1580 with a reduced scandium content. International Journal of Advanced Manufacturing Technology, 2020, 109, 443-450.	3.0	15
4	Modeling of casting technology of large-sized ingots from deformable aluminum alloys. International Journal of Advanced Manufacturing Technology, 2022, 120, 761-780.	3.0	13
5	Investigation structure and properties of wire from the alloy of AL-REM system obtained with the application of casting in the electromagnetic mold, combined rolling-extruding, and drawing. International Journal of Advanced Manufacturing Technology, 2021, 114, 2633-2649.	3.0	11
6	Investigation the structure in cast and deformed states of aluminum alloy, economically alloyed with scandium and zirconium. International Journal of Advanced Manufacturing Technology, 2021, 115, 263-274.	3.0	10
7	Application and Research Twin Roll Casting-Extruding Process for Production Longish Deformed Semi-Finished Products from Aluminum Alloys. Materials Science Forum, 0, 918, 13-20.	0.3	9
8	Investigation of cold rolling modes of 1580 alloy by the method of computer simulation. International Journal of Advanced Manufacturing Technology, 2021, 112, 1965-1972.	3.0	9
9	Mechanical properties and microstructure of multi-pass butt weld of plates made of Al-Mg-Zr alloy sparingly doped with scandium. International Journal of Advanced Manufacturing Technology, 2021, 113, 785-805.	3.0	9
10	Development and research of technology for producing electrotechnical wire from alloys of the Al-REM system, obtained with the application of combined machining methods. Tsvetnye Metally, 2019, , 63-68.	0.2	9
11	Deformation behavior during hot processing of the alloy of the Al-Mg system economically doped with scandium. International Journal of Advanced Manufacturing Technology, 2021, 115, 2571-2579.	3.0	8
12	Investigation of mechanical properties of cold-rolled, annealed and welded semi-finished products from the test alloys of Al-Mg system, economically alloyed with scandium. IOP Conference Series: Materials Science and Engineering, 0, 411, 012015.	0.6	7
13	Development of Fabrication Modes of Deformed Semifinished Products from the Experimental Scandium-Containing Aluminum Alloy and Investigation into Their Mechanical Properties. Russian Journal of Non-Ferrous Metals, 2018, 59, 62-66.	0.6	5
14	Modeling Process of Semi-Continuous Extrusion of Hollow 6063 Aluminum Alloy Profiles Using QForm Extrusion. Solid State Phenomena, 0, 316, 288-294.	0.3	5
15	Study of the Influence of Conditions of Combined Casting and Rolling-Extruding and Two-Stage Annealing on the Structure and Properties of Semi-Finished Electrical Products from an Al-Zr System Alloy. Key Engineering Materials, 0, 805, 19-24.	0.4	4
16	Modeling the Process of Obtaining Bars from Aluminum Alloy 01417 by Combined Rolling-Extruding Method with Application of the Deform-3D Complex. Key Engineering Materials, 2020, 861, 540-546.	0.4	4
17	Investigation of rolling modes, structure, and properties of aluminum-magnesium alloy plates with a reduced scandium content. International Journal of Advanced Manufacturing Technology, 2022, 121, 1373-1384.	3.0	4
18	Computer Modeling and Analysis of the Energy-Power Process Parameters of the Combined Machining of Alloys Al-Mg System. Key Engineering Materials, 2019, 805, 25-30.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Simulation of Ingotless Rolling-Extruding of Rods from Alloy of Al-Zr System and Investigating into their Properties. Key Engineering Materials, 0, 837, 3-8.	0.4	3
20	Understanding the effect produced by combined processing and drawing on the structure and properties of conductive semi-finished products made of Al-Zr alloys. Tsvetnye Metally, 2020, , 68-75.	0.2	3
21	Computer simulation, analysis of force and temperature-speed parameters of the process of combined machining of Al-Mg-Sc alloys. IOP Conference Series: Materials Science and Engineering, 2019, 544, 012018.	0.6	2
22	Computer Simulation and Analysis of the Parameters of the Drawing Process of Thin Wire from the Alloy Pd-5Ni. Key Engineering Materials, 2019, 805, 13-18.	0.4	2
23	Use of computer simulation for modernization technology of aluminum alloys hot die forging. International Journal of Advanced Manufacturing Technology, 2020, 107, 1641-1647.	3.0	2
24	Prediction of Properties of Metal upon Combined Alloy Processing of the Al-REM System Based on the Stepwise Evaluation of Their Mechanical Properties. Russian Journal of Non-Ferrous Metals, 2015, , 32.	0.1	2
25	Investigation of the Structure and Properties of Deformed Semi-Finished Products from Alloys of the Al-REM System Made by the Method of Ingotless Rolling-Extruding. Key Engineering Materials, 0, 837, 9-15.	0.4	1
26	Study of the Manufacturability of Production and Properties of Welding Wire from Alloy 1580. Key Engineering Materials, 2020, 861, 3-8.	0.4	1
27	Structure formation of cast aluminum-silicon alloy during thixotropic treatment. International Journal of Advanced Manufacturing Technology, 2021, 112, 2313-2325.	3.0	1
28	Experimental and Analytical Assessment of the Power Parameters of the Combined Rolling-Extruding Process Using a Round Billet from Alloy 01417 Obtained Using an Electromagnetic Mold. Key Engineering Materials, 0, 887, 300-305.	0.4	1
29	Development of Combined Rolling-Extruding Modes for Producing Longish Deformed Semi-Finished Products from Aluminum Alloy with Low Cerium Content. Key Engineering Materials, 0, 887, 262-268.	0.4	1
30	Numerical analysis of the non-stationary thermal state of the tool in the combined casting and extrusion of aluminum alloy. International Journal of Advanced Manufacturing Technology, 2021, 117, 295-303.	3.0	1
31	Computer Simulation of the Technology for Producing a Stamped Billet for the Piston of an Internal Combustion Engine of an Unmanned Aerial Vehicle. Russian Journal of Non-Ferrous Metals, 2021, 62, 32-38.	0.6	1
32	Obtaining Al-Zr-Hf wire using electromagnetic casting, combined rolling-extrusion, and drawing. International Journal of Lightweight Materials and Manufacture, 2022, 5, 352-368.	2.1	1
33	Modeling and research of the deformation treatment process of 585 gold fineness alloys for obtaining wire for jewelry purpose. International Journal of Advanced Manufacturing Technology, 2022, 119, 4303-4316.	3.0	0