

Josef Sedlak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7094624/publications.pdf>

Version: 2024-02-01

36
papers

206
citations

1307594

7
h-index

1199594

12
g-index

42
all docs

42
docs citations

42
times ranked

194
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Materials Produced by Powder Metallurgy Using Classical and Modern Additive Laser Technology. <i>Procedia Engineering</i> , 2015, 100, 1232-1241.	1.2	41
2	Material Analysis of Titanium Alloy Produced by Direct Metal Laser Sintering. <i>International Journal of Metalcasting</i> , 2013, 7, 43-50.	1.9	14
3	Cutting conditions and tool wear when machining wood-based materials. <i>BioResources</i> , 2019, 14, 3495-3505.	1.0	11
4	High-Speed Cutting of Bearing Rings from Material 100Cr6. <i>Manufacturing Technology</i> , 2015, 15, 899-908.	1.4	11
5	Production Method of Implant Prototype of Knee-Joint Femoral Component. <i>Manufacturing Technology</i> , 2015, 15, 195-204.	1.4	10
6	Development and Production of Prototype Model of Axial Fan. <i>Manufacturing Technology</i> , 2016, 16, 436-444.	1.4	8
7	Cyclic Fatigue of Dental NiTi Instruments after Plasma Nitriding. <i>Materials</i> , 2021, 14, 2155.	2.9	7
8	Production of Planetary Mechanism Model Prototype using Additive Method of Rapid Prototyping. <i>Manufacturing Technology</i> , 2017, 17, 374-381.	1.4	7
9	Shaped Glued Connection of Two Parts Made by Rapid Prototyping Technology. <i>Applied Mechanics and Materials</i> , 2014, 555, 541-548.	0.2	6
10	Machining Issues of Titanium Alloys. <i>International Journal of Metalcasting</i> , 2015, 9, 41-50.	1.9	6
11	REVERSE ENGINEERING METHOD USED FOR INSPECTION OF STIRRER'S GEARBOX CABINET PROTOTYPE. <i>MM Science Journal</i> , 2017, 2017, 1877-1882.	0.4	6
12	DESIGN AND PRODUCTION OF EYE PROSTHESIS USING 3D PRINTING. <i>MM Science Journal</i> , 2020, 2020, 3806-3812.	0.4	6
13	PRODUCTION OF PROTOTYPE PARTS USING DIRECT METAL LASER SINTERING TECHNOLOGY. <i>Acta Polytechnica</i> , 2015, 55, 260.	0.6	5
14	ANALYSIS OF TEST PLASTIC SAMPLES PRINTED BY THE ADDITIVE METHOD FUSED FILAMENT FABRICATION. <i>MM Science Journal</i> , 2021, 2021, 4283-4290.	0.4	5
15	Introduction to Processing of CT Clinical Metadata of Disabled Part of Patient Knee Joint. <i>Manufacturing Technology</i> , 2014, 14, 611-618.	1.4	5
16	Analysis of Selected Aspects of Turned Bearing Rings Regarding Required Workpiece Quality. <i>Manufacturing Technology</i> , 2016, 16, 612-622.	1.4	5
17	Shape Inspection of Gear Prototypes Using Reverse Engineering Method. <i>Manufacturing Technology</i> , 2017, 17, 945-952.	1.4	5
18	Effect of Spindle Unit Extrusion on Stability of Machining Process. <i>Manufacturing Technology</i> , 2015, 15, 329-333.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Influence of the shape of the filling on the mechanical properties of samples made by 3D printing. Manufacturing Technology, 2021, 21, 200-206.	1.4	4
20	Technology of processing CT data of the Knee Joint. Manufacturing Technology, 2010, 10, 64-70.	1.4	4
21	Analysis of bimetal pipe bends with a bend of 0.7D with a cladding layer of Inconel 625. International Journal of Advanced Manufacturing Technology, 2021, 117, 3859-3871.	3.0	3
22	Vertical Graphene Growth on AlCu4Mg Alloy by PECVD Technique. Coatings, 2021, 11, 1108.	2.6	3
23	APPLICATION OF MODERN TECHNOLOGIES IN PRODUCTION DESIGN OF CAR COMPONENT PROTOTYPE. MM Science Journal, 2016, 2016, 1387-1391.	0.4	3
24	Determination of mechanical properties of materials used for 3D printing. Manufacturing Technology, 2020, 20, 237-243.	1.4	3
25	Production of Assistance Brake for Mechanical Wheelchair. Manufacturing Technology, 2018, 18, 487-492.	1.4	3
26	Testing of Implant Prototype of Femoral Component Using Hydraulic Machine ZD40. Manufacturing Technology, 2015, 15, 416-423.	1.4	3
27	Application of Carbonâ€Flax Hybrid Composite in High Performance Electric Personal Watercraft. Polymers, 2022, 14, 1765.	4.5	3
28	CHANGES IN THE SURFACE LAYER OF ROLLED BEARING STEEL. Acta Polytechnica, 2015, 55, 347.	0.6	2
29	Analysis of the Wear on Machined Groove Profiles Using Reverse Engineering Technology. Manufacturing Technology, 2021, 21, 529-538.	1.4	2
30	INVESTIGATION OF THE INFLUENCE OF PVD COATINGS FOR DRY GROOVE MILLING. MM Science Journal, 2018, 2018, 2516-2520.	0.4	2
31	RESIDUAL STRESS WHEN FACE MILLING ALUMINIUM ALLOYS. MM Science Journal, 2018, 2018, 2530-2035.	0.4	2
32	Production of High Frequency Elliptic and Hyperbolic Optic Mirrors. Manufacturing Technology, 2017, 17, 86-94.	1.4	2
33	On the Cutting Performance of Nano-(Ti_x,Al_{1-x})N PVD Coatings. Key Engineering Materials, 0, 465, 395-398.	0.4	1
34	Design of stirling engine operating at low temperature difference. MATEC Web of Conferences, 2018, 157, 04003.	0.2	1
35	Effect of Boron and Vanadium Addition on Friction-Wear Properties of the Coating AlCrN for Special Applications. Materials, 2021, 14, 4651.	2.9	1
36	The Investigation of the Influence of Modern Coating Applied to the Cutting Inserts During Machining. Manufacturing Technology, 2019, 19, 589-595.	1.4	1