

# Josef Sedlak

## List of Publications by Year in descending order

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36  
papers

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citations

1307594

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h-index

1199594

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g-index

42  
all docs

42  
docs citations

42  
times ranked

194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Carbon-Flax Hybrid Composite in High Performance Electric Personal Watercraft. <i>Polymers</i> , 2022, 14, 1765.	4.5	3
2	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
3	Influence of the shape of the filling on the mechanical properties of samples made by 3D printing. <i>Manufacturing Technology</i> , 2021, 21, 200-206.	1.4	4
4	Cyclic Fatigue of Dental NiTi Instruments after Plasma Nitriding. <i>Materials</i> , 2021, 14, 2155.	2.9	7
5	Analysis of bimetal pipe bends with a bend of 0.7D with a cladding layer of Inconel 625. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 3859-3871.	3.0	3
6	Effect of Boron and Vanadium Addition on Friction-Wear Properties of the Coating AlCrN for Special Applications. <i>Materials</i> , 2021, 14, 4651.	2.9	1
7	Vertical Graphene Growth on AlCu4Mg Alloy by PECVD Technique. <i>Coatings</i> , 2021, 11, 1108.	2.6	3
8	Analysis of the Wear on Machined Groove Profiles Using Reverse Engineering Technology. <i>Manufacturing Technology</i> , 2021, 21, 529-538.	1.4	2
9	DESIGN AND PRODUCTION OF EYE PROSTHESIS USING 3D PRINTING. <i>MM Science Journal</i> , 2020, 2020, 3806-3812.	0.4	6
10	Determination of mechanical properties of materials used for 3D printing. <i>Manufacturing Technology</i> , 2020, 20, 237-243.	1.4	3
11	Cutting conditions and tool wear when machining wood-based materials. <i>BioResources</i> , 2019, 14, 3495-3505.	1.0	11
12	The Investigation of the Influence of Modern Coating Applied to the Cutting Inserts During Machining. <i>Manufacturing Technology</i> , 2019, 19, 589-595.	1.4	1
13	Design of stirling engine operating at low temperature difference. <i>MATEC Web of Conferences</i> , 2018, 157, 04003.	0.2	1
14	INVESTIGATION OF THE INFLUENCE OF PVD COATINGS FOR DRY GROOVE MILLING. <i>MM Science Journal</i> , 2018, 2018, 2516-2520.	0.4	2
15	RESIDUAL STRESS WHEN FACE MILLING ALUMINIUM ALLOYS. <i>MM Science Journal</i> , 2018, 2018, 2530-2035.	0.4	2
16	Production of Assistance Brake for Mechanical Wheelchair. <i>Manufacturing Technology</i> , 2018, 18, 487-492.	1.4	3
17	REVERSE ENGINEERING METHOD USED FOR INSPECTION OF STIRRER'S GEARBOX CABINET PROTOTYPE. <i>MM Science Journal</i> , 2017, 2017, 1877-1882.	0.4	6
18	Production of Planetary Mechanism Model Prototype using Additive Method of Rapid Prototyping. <i>Manufacturing Technology</i> , 2017, 17, 374-381.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Shape Inspection of Gear Prototypes Using Reverse Engineering Method. Manufacturing Technology, 2017, 17, 945-952.	1.4	5
20	Production of High Frequency Elliptic and Hyperbolic Optic Mirrors. Manufacturing Technology, 2017, 17, 86-94.	1.4	2
21	APPLICATION OF MODERN TECHNOLOGIES IN PRODUCTION DESIGN OF CAR COMPONENT PROTOTYPE. MM Science Journal, 2016, 2016, 1387-1391.	0.4	3
22	Development and Production of Prototype Model of Axial Fan. Manufacturing Technology, 2016, 16, 436-444.	1.4	8
23	Analysis of Selected Aspects of Turned Bearing Rings Regarding Required Workpiece Quality. Manufacturing Technology, 2016, 16, 612-622.	1.4	5
24	Machining Issues of Titanium Alloys. International Journal of Metalcasting, 2015, 9, 41-50.	1.9	6
25	CHANGES IN THE SURFACE LAYER OF ROLLED BEARING STEEL. Acta Polytechnica, 2015, 55, 347.	0.6	2
26	PRODUCTION OF PROTOTYPE PARTS USING DIRECT METAL LASER SINTERING TECHNOLOGY. Acta Polytechnica, 2015, 55, 260.	0.6	5
27	Study of Materials Produced by Powder Metallurgy Using Classical and Modern Additive Laser Technology. Procedia Engineering, 2015, 100, 1232-1241.	1.2	41
28	Production Method of Implant Prototype of Knee-Joint Femoral Component. Manufacturing Technology, 2015, 15, 195-204.	1.4	10
29	Testing of Implant Prototype of Femoral Component Using Hydraulic Machine ZD40. Manufacturing Technology, 2015, 15, 416-423.	1.4	3
30	High-Speed Cutting of Bearing Rings from Material 100Cr6. Manufacturing Technology, 2015, 15, 899-908.	1.4	11
31	Effect of Spindle Unit Extrusion on Stability of Machining Process. Manufacturing Technology, 2015, 15, 329-333.	1.4	5
32	Shaped Glued Connection of Two Parts Made by Rapid Prototyping Technology. Applied Mechanics and Materials, 2014, 555, 541-548.	0.2	6
33	Introduction to Processing of CT Clinical Metadata of Disabled Part of Patient Knee Joint. Manufacturing Technology, 2014, 14, 611-618.	1.4	5
34	Material Analysis of Titanium Alloy Produced by Direct Metal Laser Sintering. International Journal of Metalcasting, 2013, 7, 43-50.	1.9	14
35	Technology of processing CT data of the Knee Joint. Manufacturing Technology, 2010, 10, 64-70.	1.4	4
36	On the Cutting Performance of Nano-(Ti <sub>x</sub> Al <sub>1-x</sub> )N PVD Coatings. Key Engineering Materials, 0, 465, 395-398.	0.4	1