

# Nicolae Balc

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11230070/publications.pdf>

Version: 2024-02-01

15  
papers

106  
citations

1684188

5  
h-index

1372567

10  
g-index

15  
all docs

15  
docs citations

15  
times ranked

132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Customized implants with specific properties, made by selective laser melting. Rapid Prototyping Journal, 2015, 21, 98-104.	3.2	31
2	Improving the Mechanical Strength of Dental Applications and Lattice Structures SLM Processed. Materials, 2020, 13, 905.	2.9	18
3	Physical Mechanical Characteristics and Microstructure of Ti6Al7Nb Lattice Structures Manufactured by Selective Laser Melting. Materials, 2020, 13, 4123.	2.9	15
4	Research on Producing Complex Metal Parts with Lattice Structure by Selective Laser Melting. Applied Mechanics and Materials, 0, 371, 280-284.	0.2	8
5	The Accuracy of the Plastic Parts Milling Process Executed by a Six Axes Robot. Applied Mechanics and Materials, 2015, 808, 339-344.	0.2	5
6	Basic Research on Lattice Structures Focused on the Strut Shape and Welding Beads. Physics Procedia, 2016, 83, 833-838.	1.2	5
7	Surface Roughness Prediction During Dry Turning of Austenitic Stainless Steel AISI 304. Applied Mechanics and Materials, 2015, 808, 54-59.	0.2	4
8	Basic Research on Lattice Structures Focused on the Tensile Strength. Applied Mechanics and Materials, 0, 808, 193-198.	0.2	4
9	Avoiding carbon fibre reinforced polymer delamination during abrasive water jet piercing: a new piercing method. International Journal of Advanced Manufacturing Technology, 2022, 119, 1139-1152.	3.0	4
10	Basic research on lattice structures focused on the reliance of the cross sectional area and additional coatings. MATEC Web of Conferences, 2017, 94, 03008.	0.2	3
11	Design for Additive Manufacturing, to produce assembled products, by SLS. MATEC Web of Conferences, 2017, 121, 04002.	0.2	3
12	Impact of laser parameters on additively manufactured cobalt-chromium restorations. Journal of Prosthetic Dentistry, 2022, 128, 421-429.	2.8	2
13	Adhesion between Biocomposites and Different Metallic Structures Additive Manufactured. Coatings, 2021, 11, 483.	2.6	2
14	Investigation of the Interface between Laser-Melted CoCr and a Stainless Steel Substrate. Metals, 2022, 12, 965.	2.3	2
15	Using Simulation to Improve the Quality of the Metallic Industrial Components Made by Rapid Casting. Applied Mechanics and Materials, 2015, 808, 187-192.	0.2	0