Andrzej Miklaszewski

List of Publications by Citations

51 papers	464 citations	11 h-index	18 g-index
59 ext. papers	566 ext. citations	3.6 avg, IF	4.08 L-index

#	Paper	IF	Citations
51	Microstructure and properties of laser-borided Inconel 600-alloy. *Applied Surface Science*, **2013**, 284, 757-771	6.7	51
50	Microstructure and properties of laser-borided composite layers formed on commercially pure titanium. *Optics and Laser Technology*, **2014**, 56, 409-424	4.2	38
49	Nanostructured titanium-45S5 Bioglass scaffold composites for medical applications. *Materials & Design*, **2011**, 32, 4882-4889		38
48	Wear resistance improvement of austenitic 316L steel by laser alloying with boron. *Surface and Coatings Technology*, **2016**, 291, 292-313	4.4	36
47	Plasma surface modification of titanium by TiB precipitation for biomedical applications. *Surface and Coatings Technology*, **2011**, 206, 330-337	4.4	23
46	In vitro biocompatibility of titanium after plasma surface alloying with boron. *Materials Science and Engineering C*, **2016**, 69, 1240-7	8.3	18
45	Nanoscale size effect in in situ titanium based composites with cell viability and cytocompatibility studies. *Materials Science and Engineering C*, **2017**, 73, 525-536	8.3	17
44	Effect of laser modification of B Ni complex layer on wear resistance and microhardness. *Optics and Laser Technology*, **2015**, 72, 116-124	4.2	17
43	Development of type Ti-x at. % Mo alloys by mechanical alloying and powder metallurgy: Phase evolution and mechanical properties (10 x 35). *Journal of Alloys and Compounds*, **2019**, 776, 370-378	5.7	16
42	Titanium SiO2 nanocomposites and their scaffolds for dental applications. *Materials Characterization*, **2013**, 77, 99-108	3.9	14
41	Computer-Aided Design of Cefuroxime Axetil/Cyclodextrin System with Enhanced Solubility and Antimicrobial Activity. *Biomolecules*, **2019**, 10,	5.9	13
40	Microstructural Development of TiB Alloyed Layer for Hard Tissue Applications. *Journal of Materials Science and Technology*, **2013**, 29, 565-572	9.1	11
39	Ultrafast densification and microstructure evolution of in situ Ti/TiB metal matrix composite obtained by PPS approach. *International Journal of Refractory Metals and Hard Materials*, **2017**, 65, 34-38	4.1	11
38	Sintering behavior and microstructure evolution in cp-titanium processed by spark plasma sintering. *Advanced Powder Technology*, **2018**, 29, 50-57	4.6	11
37	Microstructure, chemical composition, wear, and corrosion resistance of FeB Fe2B Fe3B surface layers produced on Vanadis-6 steel using CO2 laser. *International Journal of Advanced Manufacturing Technology*, **2018**, 95, 1763-1776	3.2	10
36	Development of Type Ti23Mo-45S5 Bioglass Nanocomposites for Dental Applications. *Materials*, **2015**, 8, 8032-8046	3.5	10
35	Effect of starting material character and its sintering temperature on microstructure and mechanical properties of super hard Ti/TiB metal matrix composites. *International Journal of Refractory Metals and Hard Materials*, **2015**, 53, 56-60	4.1	9

34	Microstructure, Microhardness, Corrosion Resistance and Chemical Composition of Mo, B and Mo-B Coatings Produced Using Laser Processing. *Materials*, **2020**, 13,	3.5	8
33	Structure evolution analysis in ultrafine-grained Zr and Nb-based beta titanium alloys. *Journal of Alloys and Compounds*, **2018**, 765, 459-469	5.7	8
32	Solid-state stability studies of crystal form of tebipenem. *Drug Development and Industrial Pharmacy*, **2016**, 42, 238-44	3.6	7
31	Hydroxypropyl-□cyclodextrin as an effective carrier of curcumin - piperine nutraceutical system with improved enzyme inhibition properties. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2020**, 35, 1811-1821	5.6	7
30	Effects of inclusion of cetirizine hydrochloride in □cyclodextrin. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2018**, 91, 149-159	1.7	6
29	The Influence of Mo Content on Phase Transformation in Ti-Mo Alloys. *Archives of Metallurgy and Materials*, **2017**, 62, 2051-2056		6
28	Synthesis and Properties of Ag-doped Titanium-10 wt% 45S5 Bioglass Nanostructured Scaffolds. *Acta Metallurgica Sinica (English Letters)*, **2015**, 28, 467-476	2.5	6
27	The Radiostability of Meropenem Trihydrate in Solid State. *Molecules*, **2018**, 23,	4.8	6
26	The Analysis of the Physicochemical Properties of Benzocaine Polymorphs. *Molecules*, **2018**, 23,	4.8	5
25	Wear Improvement of Pure Titanium Surface by TiB Precipitation after Plasma Alloying Process. *Materials Science Forum*, **2011**, 674, 147-152	0.4	5
24	Influence of the Processing Method on the Properties of Ti-23 at.% Mo Alloy. *Metals*, **2019**, 9, 931	2.3	4
23	Laser Surface Alloying of Austenitic 316L Steel with Boron and Some Metallic Elements: Microstructure. *Materials*, **2020**, 13,	3.5	4
22	Liquid Boriding of Cp-Ti and Ti6Al4V Alloy: Characterization of Boride Layers and Tribological Properties. *Surface Engineering and Applied Electrochemistry*, **2020**, 56, 348-357	0.8	4
21	Crystal Structure Evolution, Microstructure Formation, and Properties of Mechanically Alloyed Ultrafine-Grained Ti-Zr-Nb Alloys at 36□□70 (at. %). *Materials*, **2020**, 13,	3.5	4
20	Hybrid Ti-ceramic bionanomaterials for medical engineering. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, 1363-1366		4
19	Machine Learning Approach for Determining the Formation of □Lactam Antibiotic Complexes with Cyclodextrins Using Multispectral Analysis. *Molecules*, **2019**, 24,	4.8	3
18	Effect of hydroxyapatite and Ag, Ta2O5 or CeO2 addition on the properties of ultrafine-grained Ti31Mo alloy. *Journal of Alloys and Compounds*, **2020**, 823, 153749	5.7	3
17	The Radiation Sterilization of Ertapenem Sodium in the Solid State. *Molecules*, **2019**, 24,	4.8	3

16	Surface Modification of Pure Titanium by TiB Precipitation. *Solid State Phenomena*, **2011**, 183, 131-136	0.4	3
15	Microstructural and Mechanical Properties of B-Cr Coatings Formed on 145Cr6 Tool Steel by Laser Remelting of Diffusion Borochromized Layer Using Diode Laser. *Coatings*, **2021**, 11, 608	2.9	3
14	Hydrothermal Surface Treatment of Biodegradable Mg-Materials. *Metals*, **2018**, 8, 894	2.3	3
13	Characterization and Boronizing Kinetics of EN-GJL-250 Lamellar Gray Cast Iron. *Annales De Chimie: Science Des Materiaux*, **2020**, 44, 23-28	2.1	2
12	Low-Temperature Hydrothermal Treatment Surface Functionalization of the Ultrafine-Grained TiMo Alloys for Medical Applications. *Materials*, **2020**, 13,	3.5	2
11	Chitosan as Valuable Excipient for Oral and Topical Carvedilol Delivery Systems. *Pharmaceuticals*, **2021**, 14,	5.2	2
10	Mechanical Alloying and Electrical Current-Assisted Sintering Adopted for In Situ Ti-TiB Metal Matrix Composite Processing. *Materials*, **2019**, 12,	3.5	1
9	Composite and Surface Functionalization of Ultrafine-Grained Ti23Zr25Nb Alloy for Medical Applications. *Materials*, **2020**, 13,	3.5	1
8	Structural Polymorphism of Sorafenib Tosylate as a Key Factor in Its Solubility Differentiation. *Pharmaceutics*, **2021**, 13,	6.4	1
7	The Influence of Recrystallization on Zinc Oxide Microstructures Synthesized with Sol□Gel Method on Scintillating Properties. *Crystals*, **2021**, 11, 533	2.3	1
6	Radiation sterilization as safe and effective way to obtain sterile biapenem. *Radiation Physics and Chemistry*, **2021**, 182, 109363	2.5	1
5	Combinations of Freeze-Dried Amorphous Vardenafil Hydrochloride with Saccharides as a Way to Enhance Dissolution Rate and Permeability. *Pharmaceuticals*, **2021**, 14,	5.2	1
4	Corrosion Resistance of Titanium Based Composites Reinforced with in situ TiB Precipitation Phase. *Archives of Metallurgy and Materials*, **2016**, 61, 1767-1770		1
3	The Ultrafine-Grain Yttria-Stabilized Zirconia Reinforced □Titanium Matrix Composites. *Metals*, **2021**, 11, 240	2.3	1
2	Laser Processing of Diffusion Boronized Layer Produced on Monel Alloy 400-Microstructure, Microhardness, Corrosion and Wear Resistance Tests.. *Materials*, **2021**, 14,	3.5	1
1	Shape Memory NiTi Materials **2012**, 185-219		