

Jerzy Morgiel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8046165/publications.pdf>

Version: 2024-02-01

175
papers

2,779
citations

218677

26
h-index

254184

43
g-index

175
all docs

175
docs citations

175
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and fracture toughness of Si ₃ N ₄ +graphene platelet composites. Journal of the European Ceramic Society, 2012, 32, 3389-3397.	5.7	151
2	A comparative study of the effect of mechanical and ultrasound agitation on the properties of electrodeposited Ni/Al ₂ O ₃ nanocomposite coatings. Surface and Coatings Technology, 2012, 206, 2998-3005.	4.8	100
3	Microstructure and mechanical properties of the new Nb ₂₅ Sc ₂₅ Ti ₂₅ Zr ₂₅ eutectic high entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 651, 590-597.	5.6	96
4	Hot pressed and spark plasma sintered zirconia/carbon nanofiber composites. Journal of the European Ceramic Society, 2009, 29, 3177-3184.	5.7	92
5	Effect of bilayer period on properties of Cr/CrN multilayer coatings produced by laser ablation. Surface and Coatings Technology, 2008, 202, 3501-3506.	4.8	69
6	Production of intermetallic compounds from Ti/Al and Ni/Al multilayer thin films – A comparative study. Journal of Alloys and Compounds, 2009, 484, 335-340.	5.5	67
7	Zirconia/carbon nanofiber composite. Scripta Materialia, 2008, 58, 520-523.	5.2	66
8	Nanoindentation of WC-Co hardmetals. Journal of the European Ceramic Society, 2013, 33, 2227-2232.	5.7	66
9	Effect of high-pressure torsion on grain refinement, strength enhancement and uniform ductility of EZ magnesium alloy. Materials Letters, 2018, 212, 323-326.	2.6	65
10	Electron Diffraction Based Analysis of Phase Fractions and Texture in Nanocrystalline Thin Films, Part III: Application Examples. Microscopy and Microanalysis, 2012, 18, 406-420.	0.4	64
11	XPS study of the cBN-TiC system. Ceramics International, 2001, 27, 637-643.	4.8	57
12	Deposition of Al ₂ O ₃ -TiO ₂ Nanostructured Powders by Atmospheric Plasma Spraying. Journal of Thermal Spray Technology, 2008, 17, 329-337.	3.1	57
13	Comparison of the Physicochemical Properties of TiO ₂ Thin Films Obtained by Magnetron Sputtering with Continuous and Pulsed Gas Flow. Coatings, 2018, 8, 412.	2.6	52
14	Silver nanocluster-silica composite coatings with antibacterial properties. Materials Chemistry and Physics, 2010, 120, 123-126.	4.0	50
15	Wear resistance of hot-pressed Si ₃ N ₄ /SiC micro/nanocomposites sintered with rare-earth oxide additives. Wear, 2010, 269, 867-874.	3.1	46
16	Direct observation of crystallization in silicon by in situ high-resolution electron microscopy. Ultramicroscopy, 1993, 51, 41-45.	1.9	44
17	Microstructure and Wear Behavior of Conventional and Nanostructured Plasma-Sprayed WC-Co Coatings. Journal of Thermal Spray Technology, 2010, 19, 964-974.	3.1	42
18	Microstructure of Ti ₃ SiC ₂ -based ceramics. Materials Letters, 1996, 27, 85-89.	2.6	41

#	ARTICLE	IF	CITATIONS
19	Microstructure of Fe ²⁵ Cr/(La, Ca)CrO ₃ composite interconnector in solid oxide fuel cell operating conditions. <i>Materials Chemistry and Physics</i> , 2003, 81, 434-437.	4.0	40
20	Ultrasound-assisted electrodeposition of Ni and Ni-Mo coatings from a citrate-ammonia electrolyte solution. <i>Journal of Alloys and Compounds</i> , 2017, 726, 410-416.	5.5	37
21	Crystallographic aspects related to advanced tribological multilayers of Cr/CrN and Ti/TiN types produced by pulsed laser deposition (PLD). <i>Surface and Coatings Technology</i> , 2006, 200, 6190-6195.	4.8	35
22	Screen-printed (La,Sr)CrO ₃ coatings on ferritic stainless steel interconnects for solid oxide fuel cells using nanopowders prepared by means of ultrasonic spray pyrolysis. <i>Journal of Power Sources</i> , 2012, 208, 86-95.	7.8	35
23	TEM analysis of surface layer of Ti-6Al-4V ELI alloy after slide burnishing and low-temperature gas nitriding. <i>Applied Surface Science</i> , 2020, 515, 145942.	6.1	34
24	New estimate of phase sequence in diffusive layer formed on plasma nitrided Ti-6Al-4V alloy. <i>Surface and Coatings Technology</i> , 2014, 259, 473-482.	4.8	33
25	Structural and mechanical aspects of multilayer graphene addition in alumina matrix composites—validation of computer simulation model. <i>Journal of the European Ceramic Society</i> , 2016, 36, 4171-4179.	5.7	30
26	Ti ₃ SiC ₂ as a bonding phase in diamond composites. <i>Journal of Materials Science Letters</i> , 2001, 20, 1783-1786.	0.5	28
27	Microstructure and interfacial reactions in the bonding zone of explosively welded Zr700 and carbon steel plates. <i>International Journal of Materials Research</i> , 2015, 106, 782-792.	0.3	27
28	Indentation fatigue of WC-Co cemented carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 229-235.	3.8	26
29	Mechanisms of the formation of low spatial frequency LIPSS on Ni-Ti reactive multilayers. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 365103.	2.8	26
30	Effect of heat treatment on magnetostructural transformations and exchange bias in Heusler Ni ₄₈ Mn _{39.5} Sn _{9.5} Al ₃ ribbons. <i>Acta Materialia</i> , 2016, 103, 30-45.	7.9	26
31	Effect of Mo addition on corrosion of Zn coatings electrodeposited on steel. <i>Corrosion Science</i> , 2018, 135, 107-119.	6.6	26
32	Influence of rhenium addition on microstructure, mechanical properties and oxidation resistance of NiAl obtained by powder metallurgy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 121-130.	5.6	26
33	Oxidation and diffusion processes during annealing of TiSi(V)N films. <i>Surface and Coatings Technology</i> , 2015, 275, 120-126.	4.8	24
34	Long-range ordering kinetics and ordering energy in Ni ₃ Al-based L ₁ alloys. <i>Intermetallics</i> , 1993, 1, 139-150.	3.9	23
35	The effect of Mn partitioning in Fe-Mn-Si alloy investigated with STEM-EDS techniques. <i>Materials Chemistry and Physics</i> , 2003, 81, 466-468.	4.0	23
36	Microstructure and Strength of Al ₂ O ₃ and Carbon Fiber Reinforced 2024 Aluminum Alloy Composites. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2801-2808.	2.5	23

#	ARTICLE	IF	CITATIONS
37	BN sintered with Al: Microstructure and hardness. <i>Ceramics International</i> , 1997, 23, 89-91.	4.8	21
38	Thermal stability of nanoscale metallic multilayers. <i>Thin Solid Films</i> , 2014, 571, 268-274.	1.8	21
39	Effect of Nd doping on structure and improvement of the properties of TiO ₂ thin films. <i>Surface and Coatings Technology</i> , 2015, 270, 57-65.	4.8	21
40	Electron microscopy investigations of the cBN-Ti compound composites. <i>Materials Chemistry and Physics</i> , 2003, 81, 336-340.	4.0	20
41	Effect of nitriding conditions of Ti ₆ Al ₇ Nb on microstructure of TiN surface layer. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156320.	5.5	20
42	Microstructure and Biocompatibility of Titanium Oxides Produced on Nitrided Surface Layer Under Glow Discharge Conditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8917-8923.	0.9	19
43	Modification of various properties of HfO ₂ thin films obtained by changing magnetron sputtering conditions. <i>Surface and Coatings Technology</i> , 2017, 320, 426-431.	4.8	19
44	Effect of reinforcement particle size on microstructure and mechanical properties of AlZnMgCu/AlN nano-composites produced using mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2014, 586, S423-S427.	5.5	17
45	Phase transformations in Ni/Ti multilayers investigated by synchrotron radiation-based x-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2015, 646, 1165-1171.	5.5	17
46	TEM examination of the effect of titanium on the Al/C interface structure. <i>Materials Chemistry and Physics</i> , 2003, 81, 319-322.	4.0	16
47	TEM characterization of the reaction products in aluminium-fly ash couples. <i>Materials Chemistry and Physics</i> , 2003, 81, 296-300.	4.0	16
48	Effect of low and high heating rates on reaction path of Ni(V)/Al multilayer. <i>Materials Chemistry and Physics</i> , 2017, 193, 244-252.	4.0	16
49	Enhanced thermal stability of a quasicrystalline phase in rapidly solidified Al-Mn-Fe-X alloys. <i>Journal of Alloys and Compounds</i> , 2017, 702, 216-228.	5.5	16
50	Microstructure Design and Tribological Properties of Cr/CrN and TiN/CrN Multilayer Films. <i>Advanced Engineering Materials</i> , 2008, 10, 617-621.	3.5	15
51	Amorphous FeCrNi/a-C:H coatings with self-organized nanotubular structure. <i>Scripta Materialia</i> , 2017, 136, 24-28.	5.2	15
52	Microstructure and wear of thermal sprayed composite NiAl-based coatings. <i>Archives of Civil and Mechanical Engineering</i> , 2019, 19, 1095-1103.	3.8	15
53	Effect of temperature on gas oxynitriding of Ti-6Al-4V alloy. <i>Surface and Coatings Technology</i> , 2019, 360, 103-109.	4.8	15
54	Postdeposition relaxation of internal stress in sputter-grown thin films caused by ion bombardment. <i>Journal of Applied Physics</i> , 1999, 85, 841-852.	2.5	14

#	ARTICLE	IF	CITATIONS
55	Interactions between molten aluminum and $Y_{2}O_{3}$ studied with TEM techniques. <i>Journal of Microscopy</i> , 2010, 237, 253-257.	1.8	14
56	Influence of Nd dopant amount on microstructure and photoluminescence of $TiO_{2}:Nd$ thin films. <i>Optical Materials</i> , 2015, 48, 172-178.	3.6	14
57	Nanoparticles in zirconium-doped aluminide coatings. <i>Materials Letters</i> , 2015, 139, 50-54.	2.6	14
58	In-situ transmission electron microscopy observations of nucleation and growth of intermetallic phases during reaction of $Ni(V)/Al$ multilayers. <i>Thin Solid Films</i> , 2017, 621, 165-170.	1.8	14
59	Multi-scale characterization and biological evaluation of composite surface layers produced under glow discharge conditions on $NiTi$ shape memory alloy for potential cardiological application. <i>Micron</i> , 2018, 114, 14-22.	2.2	14
60	Arsenic-ion implantation-induced defects in $HgCdTe$ films studied with Hall-effect measurements and mobility spectrum analysis. <i>Infrared Physics and Technology</i> , 2019, 98, 230-235.	2.9	14
61	Thin films of $HgCdTe$ on silicon surfaces. <i>Thin Solid Films</i> , 1998, 318, 33-37.	1.8	13
62	Growth structure and growth defects in pulsed laser deposited $Cr-CrN$ multilayer coatings. <i>Surface and Coatings Technology</i> , 2006, 200, 3644-3649.	4.8	13
63	Structure and properties of diffusive titanium nitride layers produced by hybrid method on AZ91D magnesium alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2767-2775.	4.2	13
64	TEM investigations of active screen plasma nitrated $Ti6Al4V$ and $Ti6Al7Nb$ alloys. <i>Surface and Coatings Technology</i> , 2020, 383, 125268.	4.8	13
65	Hardness anisotropy and active slip systems in a $(Hf-Ta-Zr-Nb)C$ high-entropy carbide during nanoindentation. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 100, 105646.	3.8	13
66	Microstructure of boron nitride sintered with titanium. <i>Materials Letters</i> , 1995, 25, 49-52.	2.6	12
67	Microstructure of electrodeposited $NiFe/Cu$ multilayers. <i>Journal of Microscopy</i> , 2010, 237, 456-460.	1.8	12
68	Detonation Deposited Fe-Al Coatings Part II: Transmission Electron Microscopy of Interlayers and Fe-Al Intermetallic Coating Detonation Sprayed onto the O45 Steel Substrate. <i>Archives of Metallurgy and Materials</i> , 2011, 56, 71-79.	0.6	12
69	D-gun Sprayed Fe-Al Single Particle Solidification. <i>Archives of Metallurgy and Materials</i> , 2014, 59, 211-220.	0.6	12
70	Microstructure and oxidation behaviour investigation of rhodium modified aluminide coating deposited on CMSX 4 superalloy. <i>Journal of Microscopy</i> , 2016, 261, 320-325.	1.8	12
71	Development of pore-free $Ti-Al-C$ MAX/ $Al-Si$ MMC composite materials manufactured by squeeze casting infiltration. <i>Materials Characterization</i> , 2018, 146, 182-188.	4.4	12
72	The effect of Re addition on the thermal stability and structure of $Ni-P$ electroless coatings. <i>Materials Characterization</i> , 2021, 171, 110811.	4.4	12

#	ARTICLE	IF	CITATIONS
73	Microstructure and properties of cold consolidated amorphous ribbons from (NiCu)ZrTiAlSi alloys. <i>Journal of Alloys and Compounds</i> , 2009, 483, 74-77.	5.5	11
74	Structural Characterization of Reaction Product Region in Al/MgO and Al/MgAl ₂ O ₄ ; <i>Systems. Solid State Phenomena</i> , 0, 172-174, 1273-1278.	0.3	11
75	Properties of Alumina Matrix Composites Reinforced with Nickel-coated Graphene. <i>Materials Today: Proceedings</i> , 2015, 2, 376-382.	1.8	11
76	TEM studies of low temperature cathode-plasma nitrided Ti6Al7Nb alloy. <i>Surface and Coatings Technology</i> , 2019, 359, 183-189.	4.8	11
77	AFM, XRD and HRTEM Studies of Annealed FePd Thin Films. <i>Acta Physica Polonica A</i> , 2010, 117, 423-426.	0.5	11
78	Effect of deposition temperature on the morphology, structure, surface chemistry and mechanical properties of magnetron sputtered Ti ₇₀ Al ₃₀ thin films on steel substrate. <i>Surface and Coatings Technology</i> , 2001, 141, 252-261.	4.8	10
79	Reaction and diffusion phenomena upon oxidation of a (Ti ₃) ₂ TiAlNb alloy in air. <i>Materials at High Temperatures</i> , 2009, 26, 99-103.	1.0	10
80	Effect of silver on cellulose fibre colour. <i>Coloration Technology</i> , 2014, 130, 424-431.	1.5	10
81	Effect of the nanocrystalline structure type on the optical properties of TiO ₂ :Nd (1at.%) thin films. <i>Optical Materials</i> , 2015, 42, 423-429.	3.6	10
82	Microstructure and positron lifetimes of zirconium modified aluminide coatings. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 1150-1155.	3.8	10
83	Thermal stability of plasma-sprayed NiAl/CrB ₂ composite coatings investigated through in-situ TEM heating experiment. <i>Materials Characterization</i> , 2020, 159, 110068.	4.4	10
84	Enhancement of fracture toughness of hot-pressed NiAl-Re material by aluminum oxide addition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139670.	5.6	10
85	Nano-TiC obtained through a reaction of MWCNTs with Zr(Y,Ti)O ₂ . <i>Journal of Microscopy</i> , 2010, 237, 487-496.	1.8	9
86	Nanoparticles in hafnium-doped aluminide coatings. <i>Materials Letters</i> , 2015, 145, 162-166.	2.6	9
87	First stage of reaction of molten Al with MgO substrate. <i>Materials Characterization</i> , 2015, 103, 133-139.	4.4	9
88	Effect of Pd and Hf co-doping of aluminide coatings on pure nickel and CMSX-4 nickel superalloy. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 1421-1429.	3.8	9
89	Influence of low temperature plasma oxynitriding on the mechanical behavior of NiTi shape memory alloys. <i>Vacuum</i> , 2018, 156, 135-139.	3.5	9
90	On the TEM/EDS verification of Tu-Turnbull model of discontinuous dissolution. <i>Scripta Metallurgica Et Materialia</i> , 1994, 30, 1177-1181.	1.0	8

#	ARTICLE	IF	CITATIONS
91	Elastic TiN coating deposited on polyurethane by pulsed laser. <i>Surface and Coatings Technology</i> , 2006, 200, 6340-6345.	4.8	8
92	Relation between microstructure and hardness of nano-composite CrN/Si ₃ N ₄ coatings obtained using CrSi single target magnetron system. <i>Vacuum</i> , 2013, 90, 170-175.	3.5	8
93	Characterization of Alumina Scale Formed on FeCrAl Steel. <i>Archives of Metallurgy and Materials</i> , 2014, 59, 77-81.	0.6	8
94	In-situ TEM heating of Ni/Al multilayers. <i>International Journal of Materials Research</i> , 2015, 106, 703-710.	0.3	8
95	TEM analysis of the hafnium-doped aluminide coating deposited on Inconel 100 superalloy. <i>Vacuum</i> , 2015, 116, 115-120.	3.5	8
96	Influence of pulsed current during high pressure sintering on crystallite size and phase composition of diamond with Ti B bonding phase. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 70, 101-106.	3.8	8
97	Effect of Powder Preparation on the Microstructure and Wear of Plasma-Sprayed NiAl/CrB ₂ Composite Coatings. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 1039-1048.	3.1	8
98	The Microstructure and Properties of Laser Shock Peened CMSX4 Superalloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 2845-2858.	2.2	8
99	A scanning photoemission microscope (SPEM) to study the interface chemistry of AlTi/C system. <i>Journal of Materials Science Letters</i> , 2000, 19, 123-126.	0.5	7
100	Characterization of interfaces in ZrO ₂ -carbon nanofiber composite. <i>Scripta Materialia</i> , 2009, 61, 253-256.	5.2	7
101	Microstructure and hardness of Ti ₆ Al ₄ V/NiAl/Ti ₆ Al ₄ V joints obtained through resistive heating. <i>Journal of Materials Processing Technology</i> , 2018, 255, 689-695.	6.3	7
102	Influence of regulated modification of nitride layer by oxygen on the electrochemical behavior of Ti-6Al-4V alloy in the Ringer's solution. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2320-2325.	1.5	7
103	Quasi-amorphous, nanostructural CoCrMoC/a-C:H coatings deposited by reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2019, 378, 124910.	4.8	7
104	Perforated alumina templates as a tool for engineering of CoPd film magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 182-189.	2.3	7
105	In-situ investigation of phase transformations during heating of AlCoCrCuNi high entropy melt-spun ribbons. <i>Materials Characterization</i> , 2019, 148, 134-141.	4.4	7
106	Microstructure and Wear of (CrN/CrAlN)/(CrAlN/VN) and (CrN/TiAlN)/(TiAlN/VN) Coatings for Molds Used in High Pressure Casting of Aluminum. <i>Coatings</i> , 2020, 10, 261.	2.6	7
107	In situ TEM observation of reaction of Ti/Al multilayers. <i>Archives of Civil and Mechanical Engineering</i> , 2017, 17, 188-198.	3.8	6
108	The effect of post-process annealing on optical and electrical properties of mixed HfO ₂ -TiO ₂ thin film coatings. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6358-6369.	2.2	6

#	ARTICLE	IF	CITATIONS
109	Wetting and interfacial reactivity of Ni-Al alloys with Al ₂ O ₃ and ZrO ₂ ceramics. Journal of Materials Science, 2021, 56, 7849-7861.	3.7	6
110	Microstructure and Hardness of cBN-Zr Composite. Journal of the European Ceramic Society, 1998, 18, 389-393.	5.7	5
111	SEM and HRTEM study of zirconium-based glass forming alloys cast at various cooling rates. Materials Chemistry and Physics, 2003, 81, 376-379.	4.0	5
112	TEM investigation of ductile iron alloyed with vanadium. Journal of Microscopy, 2010, 237, 461-464.	1.8	5
113	Tem Investigation of Phases Formed During Aluminium Wetting of MgO at [100], [110] and [111] Orientations. Archives of Metallurgy and Materials, 2013, 58, 497-500.	0.6	5
114	Atomic scale structure investigations of epitaxial Fe/Cr multilayers. Applied Surface Science, 2014, 305, 154-159.	6.1	5
115	Influence of the structural and surface properties on photocatalytic activity of TiO ₂ :Nd thin films. Polish Journal of Chemical Technology, 2015, 17, 103-111.	0.5	5
116	Coating of Tungsten Wire with Ni/Al Multilayers for Self-Healing Applications. Metals, 2017, 7, 574.	2.3	5
117	Improvement of Corrosion Resistance of 13CrMo4-5 Steel by Ni-Based Laser Cladding Coatings. Journal of Materials Engineering and Performance, 2020, 29, 3702-3713.	2.5	5
118	Characterization of Carbon Nanofibers/ ZrO ₂ Ceramic Matrix Composite. Archives of Metallurgy and Materials, 2013, 58, 459-463.	0.6	5
119	Analytical and HREM study of the early stages of SiO ₂ -Al ₂ O ₃ -(Mg, Zn)O glass crystallisation. Materials Chemistry and Physics, 2003, 81, 411-413.	4.0	4
120	Scanning electron microscopy and transmission electron microscopy in situ studies of grain boundary migration in cold-deformed aluminium bicrystals. Journal of Microscopy, 2006, 223, 264-267.	1.8	4
121	TEM Analysis of Wear of Ti/TiN Multi-Layer Coating in Ball-on-Disc Test. Key Engineering Materials, 0, 409, 123-127.	0.4	4
122	Microstructure and Deposition Relations in Alumina Particle Strengthened Ni-W Matrix Composites. Solid State Phenomena, 2012, 186, 234-238.	0.3	4
123	On the wear of TiB _x /TiSi _y C _z coatings deposited on 316L steel. International Journal of Materials Research, 2015, 106, 758-763.	0.3	4
124	Thermally Induced Crystallization of TiB _x Thin Film after Deposition by Dual Beam IBAD Method. Materials Today: Proceedings, 2016, 3, 2646-2651.	1.8	4
125	Thermal characteristics and amorphization in plasma spray deposition of Ni-Si-B-Ag alloy. Journal of Alloys and Compounds, 2017, 710, 685-691.	5.5	4
126	Reactive resistance welding of Ti6Al4V alloy with the use of Ni(V)/Al multilayers. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600405.	2.4	4

#	ARTICLE	IF	CITATIONS
127	TEM investigations of wear mechanism of Al ₂ O ₃ and Si ₃ N ₄ compacts with GLPs additions. <i>Ceramics International</i> , 2017, 43, 8334-8342.	4.8	4
128	SEM/TEM Investigation of Aluminide Coating Co-Doped with Pt and Hf Deposited on Inconel 625. <i>Materials</i> , 2018, 11, 898.	2.9	4
129	Micro-analytical studies of discontinuous precipitation in Fe-13.5 at.% Zn alloy. <i>Archives of Civil and Mechanical Engineering</i> , 2020, 20, 1.	3.8	4
130	Interface Studies in HgTe/HgCdTe Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900598.	1.5	4
131	(Ti,Al)O ₂ Whiskers Grown during Glow Discharge Nitriding of Ti-6Al-7Nb Alloy. <i>Materials</i> , 2021, 14, 2658.	2.9	4
132	Silicon based multilayer structures prepared by reactive pulsed laser deposition. <i>Thin Solid Films</i> , 1998, 318, 154-157.	1.8	3
133	Amorphization of the silicon substrate and stress-relaxation in HfN films bombarded with Au ions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 253, 328-336.	5.6	3
134	Ordering of the $\hat{\Gamma}^2$ phase in TiNiCu and TiNiCuMn melt spun ribbons studied with the ALCHEMI technique. <i>Materials Chemistry and Physics</i> , 2003, 81, 230-232.	4.0	3
135	Structure and properties of an alumina/amorphous-alumina/platinum catalytic system deposited on FeCrAl steel. <i>Journal of Microscopy</i> , 2006, 224, 46-48.	1.8	3
136	Microstructure Characteristics of the Reaction Product Region Formed due to the High Temperature Contact of Molten Aluminium and ZnO Single Crystal. <i>Solid State Phenomena</i> , 0, 172-174, 1267-1272.	0.3	3
137	Structural properties of transparent Ti-V oxide semiconductor thin films. <i>Open Physics</i> , 2013, 11, .	1.7	3
138	TEM observations of reactive bonded Ti6Al4V alloy. <i>Materials Letters</i> , 2017, 189, 38-41.	2.6	3
139	Shear Strength of Reactive Resistance Welded Ti6Al4V Parts with the Use of Ni(V)/Al Multilayers. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 5423-5427.	2.2	3
140	On the morphological investigation of Pt dispersion and structure of alumina-platinum composites obtained by thermal oxidation of Al-Pt nano thin layers. <i>Nano Structures Nano Objects</i> , 2019, 17, 229-238.	3.5	3
141	Microstructure and properties of laser interference crystallized amorphous FeSiB ribbon. <i>International Journal of Materials Research</i> , 2019, 110, 11-17.	0.3	3
142	SHS reaction of Ti/Al multilayers and resistive heating used for joining of Ti-6Al-4V alloy. <i>Materials Characterization</i> , 2019, 154, 31-39.	4.4	3
143	Effect of Deposition Parameters on the Reactivity of Al/Ni Multilayer Thin Films. <i>Coatings</i> , 2020, 10, 721.	2.6	3
144	Formation of Nitrogen Doped Titanium Dioxide Surface Layer on NiTi Shape Memory Alloy. <i>Materials</i> , 2021, 14, 1575.	2.9	3

#	ARTICLE	IF	CITATIONS
145	A New Method for the Measurement of Thickness in Single Crystals. <i>Micron</i> , 1998, 29, 425-430.	2.2	2
146	Reactions and stresses in polycrystalline diamond-metal and diamond-carbide compacts. <i>High Pressure Research</i> , 2000, 18, 271-277.	1.2	2
147	Advances and problems with TEM characterization of Cr/CrN multilayer coatings. <i>Journal of Microscopy</i> , 2006, 223, 237-239.	1.8	2
148	Effect of Silicon Additions in CrSi (10, 20, 30, 40 at. % Si) Magnetron Targets on Microstructure of Reactively Deposited (Cr,Si)N Coatings. <i>Solid State Phenomena</i> , 2012, 186, 182-187.	0.3	2
149	TEM Investigation of Metal/Ceramic Interfaces in AA7475/AlN or Al ₂ O ₃ Nano-Composites. <i>Solid State Phenomena</i> , 2012, 186, 202-205.	0.3	2
150	Wetting Behavior and Reactivity Between AlTi6 Alloy and Carbon Nanotubes. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 3317-3329.	2.5	2
151	Ni-Cr-Ta-Al-C complex phase alloy " Design, microstructure and properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 711, 99-108.	5.6	2
152	Microstructure of Coatings on Nickel and Steel Platelets Obtained by Co-Milling with NiAl and CrB2 Powders. <i>Materials</i> , 2019, 12, 2593.	2.9	2
153	Microstructure Development in Multilayer TiB _x /TiSi _y /C _z Coatings during Post-Deposition Heat Treatment. <i>Acta Physica Polonica A</i> , 2016, 130, 1124-1126.	0.5	2
154	Nano-columnar, self-organised NiCrC/a-C:H thin films deposited by magnetron sputtering. <i>Applied Surface Science</i> , 2022, 591, 153134.	6.1	2
155	The Influence of Pd and Zr Co-Doping on the Microstructure and Oxidation Resistance of Aluminide Coatings on the CMSX-4 Nickel Superalloy. <i>Materials</i> , 2021, 14, 7579.	2.9	2
156	Sites are Separable in Garnets with ALCHEMI. <i>Mikrochimica Acta</i> , 2000, 132, 489-492.	5.0	1
157	Structure studies of ball-milled ZrCuAl, NiTiZrCu and melt-spun ZrNiTiCuAl alloys. <i>Journal of Microscopy</i> , 2006, 223, 268-271.	1.8	1
158	Scanning and transmission electron microscopy studies of the interface between the Tl-1223 phase and yttria doped zirconia substrates. <i>Superconductor Science and Technology</i> , 2006, 19, 493-496.	3.5	1
159	TEM investigation of reaction zone products formed between molten Al and CoO monocrystalline substrate. <i>Journal of Microscopy</i> , 2010, 237, 299-303.	1.8	1
160	HREM characterization of nano-composite Au/SiO ₂ layers. <i>Journal of Microscopy</i> , 2010, 237, 333-336.	1.8	1
161	TEM Investigation of Interfaces Formed between Saffil TM Fibers and AA6061 and En Ac 44200 Aluminium Alloys. <i>Solid State Phenomena</i> , 0, 186, 327-330.	0.3	1
162	SEM and TEM Microstructure Characterization of a Commercial Purity Aluminum after Laser Treatment. <i>Solid State Phenomena</i> , 0, 186, 323-326.	0.3	1

#	ARTICLE	IF	CITATIONS
163	Novel multilayer nano-composite protective coatings for metallic medical tools. International Journal of Materials Research, 2015, 106, 804-809.	0.3	1
164	Local Strengthening of EN AC-44200 Al Alloy with Ceramic Fibers. Key Engineering Materials, 0, 662, 237-240.	0.4	1
165	Microstructural Characterization of Nb/Inconel 601 Interface Obtained in the Explosive Welding Process. Microscopy and Microanalysis, 2021, , 1-8.	0.4	1
166	Microstructure of Ti/Al multilayer foils ignited with electric current. International Journal of Materials Research, 2019, 110, 60-65.	0.3	1
167	Microstructure, Thermal and Mechanical Properties of Refractory Linings Modified with Polymer Fibers. Ceramics, 2022, 5, 173-181.	2.6	1
168	Study of Garnets by ALCHEMI. Microscopy and Microanalysis, 2001, 7, 358-359.	0.4	0
169	Growth of PLD Hg _{1-x} Cd _x Te films on Si-patterned substrates. , 2001, 4413, 55.		0
170	Defects formed within hardness indenter interaction zone in Al ₂ O ₃ /ZrO ₂ composite. Journal of Microscopy, 2006, 223, 279-281.	1.8	0
171	Application of SEM/TEM to Tests on Pt Distribution in Al ₂ O ₃ Films Obtained by Oxidising FeCrAl Steel Foil Coated with Pt-Al Nanofilms. Advances in Science and Technology, 0, , .	0.2	0
172	Microstructure of LaNi ₅ Base Nanopowders Produced by High Energy Ball Milling. Solid State Phenomena, 2012, 186, 124-129.	0.3	0
173	Effect of Heating on the Microstructure of NiAl + CrB ₂ Coatings Deposited by Mechanical Embedding in a Ball Mill. Microscopy and Microanalysis, 0, , 1-5.	0.4	0
174	Development of Actuators for Repairing Cracks by Coating W Wires with Reactive Multilayers. Materials, 2022, 15, 869.	2.9	0
175	TEM Observations of the Microstructural Changes in the Interfacial Zone of Explosively Welded Titanium/Steel Before and After <i>Ex Situ</i> and <i>In Situ</i> Heat Treatment. Microscopy and Microanalysis, 2022, , 1-8.	0.4	0