

Thomas Lampke

List of Publications by Year in descending order

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301
papers

4,392
citations

201674

27
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168389

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306
all docs

306
docs citations

306
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface characterization of flax, hemp and cellulose fibers; Surface properties and the water uptake behavior. <i>Polymer Composites</i> , 2002, 23, 872-894.	4.6	350
2	Introduction to Plasma Electrolytic Oxidation—An Overview of the Process and Applications. <i>Coatings</i> , 2020, 10, 628.	2.6	163
3	Processing of natural-fibre reinforced polymers and the resulting dynamic—mechanical properties. <i>Journal of Materials Processing Technology</i> , 2003, 139, 140-146.	6.3	152
4	Wetting behavior of flax fibers as reinforcement for polypropylene. <i>Journal of Colloid and Interface Science</i> , 2003, 263, 580-589.	9.4	136
5	Interface behaviour in nickel composite coatings with nano-particles of oxidic ceramic. <i>Electrochimica Acta</i> , 2003, 48, 3063-3070.	5.2	129
6	Review of plasma electrolytic oxidation of titanium substrates: Mechanism, properties, applications and limitations. <i>Applied Surface Science Advances</i> , 2021, 5, 100121.	6.8	126
7	Formation of intermetallic phases in diffusion-welded joints of aluminium and magnesium alloys. <i>Journal of Materials Science</i> , 2011, 46, 357-364.	3.7	112
8	Details of crystalline growth in co-deposited electroplated nickel films with hard (nano)particles. <i>Applied Surface Science</i> , 2006, 253, 2399-2408.	6.1	102
9	Plant Fibers as Reinforcement for Green Composites. , 2005, , .		95
10	Correlation between structure and corrosion behaviour of nickel dispersion coatings containing ceramic particles of different sizes. <i>Surface and Coatings Technology</i> , 2006, 201, 3510-3517.	4.8	92
11	Post-treatment of thermal spray coatings on magnesium. <i>Surface and Coatings Technology</i> , 2008, 202, 4515-4524.	4.8	90
12	Methods to determine surface energies of natural fibres: a review. <i>Composite Interfaces</i> , 2007, 14, 581-604.	2.3	71
13	Microstructure and Wear Resistance of AlCoCrFeNiTi High-Entropy Alloy Coatings Produced by HVOF. <i>Coatings</i> , 2017, 7, 144.	2.6	70
14	Influence of Titanium on Microstructure, Phase Formation and Wear Behaviour of AlCoCrFeNiTi High-Entropy Alloy. <i>Entropy</i> , 2018, 20, 505.	2.2	68
15	Mechanical properties and corrosion behaviour of ultrafine-grained AA6082 produced by equal-channel angular pressing. <i>Journal of Materials Science</i> , 2008, 43, 7409-7417.	3.7	64
16	Influence of precipitates on low-cycle fatigue and crack growth behavior in an ultrafine-grained aluminum alloy. <i>Acta Materialia</i> , 2014, 80, 250-263.	7.9	57
17	Electrolyte influence on ignition of plasma electrolytic oxidation processes on light metals. <i>Surface and Coatings Technology</i> , 2017, 315, 205-213.	4.8	55
18	Surface hardening of FCC phase high-entropy alloy system by powder-pack boriding. <i>Surface and Coatings Technology</i> , 2019, 371, 389-394.	4.8	51

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19	Anodizing – A Key for Surface Treatment of Aluminium. <i>Key Engineering Materials</i> , 0, 384, 263-281.	0.4	43
20	Advanced Microscopic Study of Suspension Plasma-Sprayed Zirconia Coatings with Different Microstructures. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 94-104.	3.1	43
21	High-temperature wear behaviour of AlCoCrFeNiTi0.5 coatings produced by HVOF. <i>Surface and Coatings Technology</i> , 2020, 403, 126379.	4.8	41
22	Cavitation erosion of electroplated nickel composite coatings. <i>Surface and Coatings Technology</i> , 2008, 202, 3967-3974.	4.8	37
23	Alumina coatings obtained by thermal spraying and plasma anodising – A comparison. <i>Surface and Coatings Technology</i> , 2011, 206, 1202-1216.	4.8	37
24	Plasma Electrolytic Oxidation of High-Strength Aluminium Alloys – Substrate Effect on Wear and Corrosion Performance. <i>Metals</i> , 2018, 8, 356.	2.3	35
25	Splat Formation and Adhesion Mechanisms of Cold Gas-Sprayed Al Coatings on Al ₂ O ₃ Substrates. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 68-75.	3.1	32
26	Wear-resistant coatings on aluminium produced by plasma anodising – A correlation of wear properties, microstructure, phase composition and distribution. <i>Surface and Coatings Technology</i> , 2014, 240, 96-102.	4.8	31
27	An experimental study on optimum lubrication for large-scale severe plastic deformation of aluminum-based alloys. <i>Journal of Materials Processing Technology</i> , 2017, 239, 222-229.	6.3	31
28	Advanced Microstructural Study of Suspension Plasma Sprayed Hydroxyapatite Coatings. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 657-664.	3.1	30
29	Texture orientation, morphology and performance of nanocrystalline nickel coatings electrodeposited from a Watts-type bath: Effects of H ₃ BO ₃ concentration and plating time. <i>Surface and Coatings Technology</i> , 2021, 424, 127648.	4.8	30
30	The Phase Composition and Microstructure of Al _x CoCrFeNiTi Alloys for the Development of High-Entropy Alloy Systems. <i>Metals</i> , 2017, 7, 162.	2.3	29
31	Codeposition of Cerium Oxide With Nickel and Cobalt: Correlation Between Microstructure And Microhardness. <i>Surface Engineering</i> , 2004, 20, 353-359.	2.2	28
32	Development of particle-reinforced nanostructured iron-based composite alloys for thermal spraying. <i>Surface and Coatings Technology</i> , 2011, 205, 3671-3676.	4.8	28
33	High cycle fatigue behavior of the severely plastically deformed 6082 aluminum alloy with an anodic and plasma electrolytic oxide coating. <i>Surface and Coatings Technology</i> , 2018, 349, 576-583.	4.8	28
34	High-Temperature Wear Behaviour of Spark Plasma Sintered AlCoCrFeNiTi0.5 High-Entropy Alloy. <i>Entropy</i> , 2019, 21, 582.	2.2	28
35	Corrosion and wear behavior of alumina coatings obtained by various methods. <i>Materials Science</i> , 2011, 46, 591-598.	0.9	27
36	Processing of AlCoCrFeNiTi high entropy alloy by atmospheric plasma spraying. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 181, 012015.	0.6	27

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37	Essential Factors Influencing the Bonding Strength of Cold-Sprayed Aluminum Coatings on Ceramic Substrates. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 446-455.	3.1	27
38	Quasi-static and fatigue bending behavior of a continuous fiber-reinforced thermoplastic/metal laminate. <i>Composites Part B: Engineering</i> , 2019, 174, 107043.	12.0	27
39	Local heteroepitaxy as an adhesion mechanism in aluminium coatings cold gas sprayed on AlN substrates. <i>Acta Materialia</i> , 2017, 128, 418-427.	7.9	26
40	Microstructure and Wear Behavior of the High-Velocity-Oxygen-Fuel Sprayed and Spark Plasma Sintered High-Entropy Alloy AlCrFeCoNi. <i>Advanced Engineering Materials</i> , 2021, 23, 2001253.	3.5	26
41	Microstructural Features and Mechanical Properties after Industrial Scale ECAP of an Al 6060 Alloy. <i>Materials Science Forum</i> , 0, 667-669, 1153-1158.	0.3	25
42	Effect of additive and current mode on surface morphology of palladium films from a non-aqueous deep eutectic solution (DES). <i>Journal of Applied Electrochemistry</i> , 2013, 43, 1207-1216.	2.9	25
43	Effect of Strain Localization on Pitting Corrosion of an AlMgSi0.5 Alloy. <i>Metals</i> , 2015, 5, 172-191.	2.3	25
44	Electrodeposition of palladium films from ionic liquid (IL) and deep eutectic solutions (DES): physical-chemical characterisation of non-aqueous electrolytes and surface morphology of palladium deposits. <i>Transactions of the Institute of Metal Finishing</i> , 2013, 91, 133-140.	1.3	24
45	Advanced microstructural study of suspension plasma sprayed titanium oxide coatings. <i>Surface and Coatings Technology</i> , 2008, 202, 3723-3731.	4.8	23
46	The role of backpressure during large scale Channel Angular Pressing. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2012, 43, 668-672.	0.9	22
47	A microstructure study on silicified wood from the Permian Petrified Forest of Chemnitz. <i>Palaontologische Zeitschrift</i> , 2013, 87, 397-407.	1.6	22
48	The microstructural studies of suspension plasma sprayed zirconia coatings with the use of high-energy plasma torches. <i>Surface and Coatings Technology</i> , 2017, 318, 250-261.	4.8	22
49	Electroplated Nickel Composites with Micron- to Nano-Sized Particles. <i>Key Engineering Materials</i> , 0, 384, 283-309.	0.4	21
50	IDENTIFICATION OF FORGERIES BY MEASURING TIN ISOTOPES IN CORRODED BRONZE OBJECTS*. <i>Archaeometry</i> , 2012, 54, 167-174.	1.3	21
51	Enhanced Wear Behaviour of Spark Plasma Sintered AlCoCrFeNiTi High-Entropy Alloy Composites. <i>Materials</i> , 2018, 11, 2225.	2.9	21
52	A comparative study of oxidation kinetics and thermal cyclic performance of thermal barrier coatings (TBCs). <i>Surface and Coatings Technology</i> , 2019, 371, 47-67.	4.8	21
53	The room temperature tensile deformation behavior of thermomechanically processed β -metastable Ti-Nb-Ta-Zr bio-alloy: the role of deformation-induced martensite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 738, 15-23.	5.6	19
54	Precipitation Hardening of the HVOF Sprayed Single-Phase High-Entropy Alloy CrFeCoNi. <i>Coatings</i> , 2020, 10, 701.	2.6	19

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55	In-plane biaxial compression and tension testing of thin sheet materials. International Journal of Solids and Structures, 2015, 66, 111-120.	2.7	18
56	Accelerated ageing of plastic jacket pipes for district heating. Polymer Testing, 2016, 51, 142-147.	4.8	18
57	Effect of Metal Surface Topography on the Interlaminar Shear and Tensile Strength of Aluminum/Polyamide 6 Polymer-Metal-Hybrids. Materials, 2019, 12, 2963.	2.9	18
58	Influence of simultaneous Cr ₂ O ₃ and TiO ₂ additions on the microstructure and properties of APS alumina coatings. Surface and Coatings Technology, 2021, 405, 126702.	4.8	18
59	High-strength aluminum-based light-weight materials for safety components – recent progress by microstructural refinement and particle reinforcement. International Journal of Materials Research, 2012, 103, 3-11.	0.3	17
60	Microstructural evolution in the bonding zones of co-extruded aluminium/titanium. Journal of Materials Science, 2014, 49, 2442-2455.	3.7	17
61	Novel Adhesion Promoter for Metal-Plastic Composites. Advanced Engineering Materials, 2015, 17, 802-809.	3.5	17
62	Hardening of HVOF-Sprayed Austenitic Stainless-Steel Coatings by Gas Nitriding. Coatings, 2018, 8, 348.	2.6	17
63	Plasma electrolytic polishing of metalized carbon fibers. AIMS Materials Science, 2016, 3, 260-269.	1.4	17
64	Scaling up the equal-channel angular pressing process – a study on a 6000 aluminium alloy. Materialwissenschaft Und Werkstofftechnik, 2010, 41, 814-821.	0.9	16
65	Influence of strain gradients on the grain refinement during industrial scale ECAP. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 680-685.	0.9	16
66	PETRIFACTIONS AND WOOD-TEMPLATED CERAMICS: COMPARISONS BETWEEN NATURAL AND ARTIFICIAL SILICIFICATION. IAWA Journal, 2015, 36, 167-185.	2.7	16
67	Characteristics of dynamically-formed surface oxide layers on molten zinc-aluminum alloys: A multimodality approach. Thin Solid Films, 2018, 667, 34-39.	1.8	16
68	Microstructural Evolution during Severe Plastic Deformation by Gradation Extrusion. Metals, 2018, 8, 96.	2.3	16
69	Introducing Fractal Dimension for Interlaminar Shear and Tensile Strength Assessment of Mechanically Interlocked Polymer-Metal Interfaces. Materials, 2020, 13, 2171.	2.9	16
70	Electrodeposition of Pd alloys from choline chloride/urea deep eutectic solvents. Journal of Alloys and Compounds, 2021, 855, 157462.	5.5	16
71	Wear and Corrosion Behaviour of Supersaturated Surface Layers in the High-Entropy Alloy Systems CrMnFeCoNi and CrFeCoNi. Crystals, 2020, 10, 110.	2.2	16
72	Ultrasound technique as a tool for high-rate incorporation of Al ₂ O ₃ in NiCo layers. Journal of Solid State Electrochemistry, 2011, 15, 1041-1048.	2.5	15

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73	Cobalt and manganese carboxylates for metal oxide thin film deposition by applying the atmospheric pressure combustion chemical vapour deposition process. RSC Advances, 2018, 8, 15632-15640.	3.6	15
74	Mechanisms of fatigue crack propagation in a Q&P-processed steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 754, 18-28.	5.6	15
75	Hydrogen embrittlement of a quenching and partitioning steel during corrosion and zinc electroplating. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 247-254.	5.6	15
76	Equal-channel angular pressing influencing the mean stress sensitivity in the high cycle fatigue regime of the 6082 aluminum alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 795, 140014.	5.6	15
77	Microstructure and Sliding Wear Resistance of Plasma Sprayed Al ₂ O ₃ -Cr ₂ O ₃ -TiO ₂ Ternary Coatings from Blends of Single Oxides. Coatings, 2020, 10, 42.	2.6	15
78	Microstructure and Corrosion Properties of AlCrFeCoNi High-Entropy Alloy Coatings Prepared by HVOF and HVOF. Journal of Thermal Spray Technology, 2022, 31, 247-255.	3.1	15
79	The role of interface modification on the mechanical properties of injection-moulded composites from commingled polypropylene/banana granules. Composite Interfaces, 2007, 14, 849-867.	2.3	14
80	Boriding of Laser-Clad Inconel 718 Coatings for Enhanced Wear Resistance. Applied Sciences (Switzerland), 2021, 11, 11935.	2.5	14
81	Assessment of CrFeCoNi and AlCrFeCoNi High-Entropy Alloys as Bond Coats for Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2022, 31, 1404-1422.	3.1	14
82	The coupled temperature-strain rate sensitivity of Ti-29Nb-13Ta-4.6Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 610, 258-262.	5.6	13
83	Anodic oxidation of the AlCu ₄ Mg ₁ aluminium alloy with dynamic current control. Surface and Coatings Technology, 2016, 302, 515-522.	4.8	13
84	Co(II) ethylene glycol carboxylates for Co ₃ O ₄ nanoparticle and nanocomposite formation. Journal of Materials Science, 2017, 52, 6697-6711.	3.7	13
85	Characterization Methods for Solid Thermal Interface Materials. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1024-1031.	2.5	13
86	Effect of Adjusted Gas Nitriding Parameters on Microstructure and Wear Resistance of HVOF-Sprayed AISI 316L Coatings. Materials, 2019, 12, 1760.	2.9	13
87	Measurement system based on the Seebeck effect for the determination of temperature and tool wear during turning of aluminum alloys. Procedia CIRP, 2020, 93, 1435-1441.	1.9	13
88	Influence of the cutting parameters on the surface properties in turning of a thermally sprayed AlCoCrFeNiTi coating. Procedia CIRP, 2020, 87, 19-24.	1.9	13
89	Integrating human cognition in cyber-physical systems: A multidimensional fuzzy pattern model with application to thermal spraying. Journal of Manufacturing Systems, 2022, 63, 162-176.	13.9	13
90	Development and characterization of sol-gel composite coatings on aluminum alloys for corrosion protection. Materialwissenschaft Und Werkstofftechnik, 2008, 39, 914-919.	0.9	12

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91	Evolution of Microstructure of Cold-Spray Aluminum Coatings on Al ₂ O ₃ Substrates. <i>Advanced Engineering Materials</i> , 2012, 14, 275-278.	3.5	12
92	Multi-Stage Silicification of Pliocene Wood: Re-Examination of an 1895 Discovery from Idaho, USA. <i>Geosciences (Switzerland)</i> , 2016, 6, 21.	2.2	12
93	Effect of new adhesion promoter and mechanical interlocking on bonding strength in metal-polymer composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 118, 012041.	0.6	12
94	Electrochemical deposition of iridium and iridium-nickel-alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 181, 012041.	0.6	12
95	Mechanically induced grain refinement, recovery and recrystallization of cold-sprayed iron aluminide coatings. <i>Surface and Coatings Technology</i> , 2019, 380, 125069.	4.8	12
96	Tailored Surfaces by Means of Thermal Spraying and Post-Treatment. <i>Key Engineering Materials</i> , 0, 384, 99-116.	0.4	11
97	Corrosion Characteristics of an Ultrafine-Grained Al-Mg-Si Alloy (AA6082). <i>Materials Science Forum</i> , 0, 584-586, 988-993.	0.3	11
98	Near-Threshold Fatigue Crack Propagation in an ECAP-Processed Ultrafine-Grained Aluminium Alloy. <i>Materials Science Forum</i> , 2010, 667-669, 873-878.	0.3	11
99	Simultaneous plasma-electrolytic anodic oxidation (PAO) of Al-Mg compounds. <i>Surface and Coatings Technology</i> , 2011, 206, 1085-1090.	4.8	11
100	Formation of a Spinel Coating on AZ31 Magnesium Alloy by Plasma Electrolytic Oxidation. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1157-1162.	2.5	11
101	Residual-stress evolution of cold-rolled DC04 steel sheets for different initial stress states. <i>Finite Elements in Analysis and Design</i> , 2018, 144, 76-83.	3.2	11
102	Effect of Nitric and Oxalic Acid Addition on Hard Anodizing of AlCu4Mg1 in Sulphuric Acid. <i>Metals</i> , 2018, 8, 139.	2.3	11
103	The effect of anodic oxide coating on the fatigue behaviour of AA6082 with an ultrafine-grained microstructure. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 624-631.	0.9	10
104	In-situ measurement of loading stresses with X-ray diffraction for yield locus determination. <i>International Journal of Automotive Technology</i> , 2014, 15, 303-316.	1.4	10
105	The Interface of an Intrinsic Hybrid Composite – Development, Production and Characterisation. <i>Procedia CIRP</i> , 2017, 66, 289-293.	1.9	10
106	Boriding of HVOF-sprayed Inconel 625 coatings. <i>Surface and Coatings Technology</i> , 2020, 404, 126456.	4.8	10
107	CoCrFeNi High-Entropy Alloy Thin Films Synthesised by Magnetron Sputter Deposition from Spark Plasma Sintered Targets. <i>Coatings</i> , 2021, 11, 468.	2.6	10
108	The strain accommodation in Ti-28Nb-12Ta-5Zr alloy during warm deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 592, 57-63.	5.6	9

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109	Anodisation of Aluminium Alloys by Micro-Capillary Technique as a Tool for Reliable, Cost-Efficient, and Quick Process Parameter Determination. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-12.	1.8	9
110	Design of high strength polymer metal interfaces by laser microstructured surfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 373, 012015.	0.6	9
111	Strain-rate sensitive ductility in a low-alloy carbon steel after quenching and partitioning treatment. <i>Scientific Reports</i> , 2019, 9, 17023.	3.3	9
112	Characterisation Method of the Passivation Mechanisms during the pre-discharge Stage of Plasma Electrolytic Oxidation Indicating the Mode of Action of Fluorides in PEO of Magnesium. <i>Coatings</i> , 2020, 10, 965.	2.6	9
113	CFD Enhanced Thermal Spray Process for Coating of Cylinder Bores of Car Engines. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 546-559.	3.1	9
114	Effects of pre-treatment on the growth rate and morphology of hard anodic films on aluminium (EN) Tj ETQqO 0 0 rgBT /Overlock 10 TF 5	4.8	8
115	Fatigue crack propagation in an ECAP-processed aluminium alloy – influence of shear plane orientation. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2012, 43, 609-616.	0.9	8
116	A hardness-microstructure correlation study of anodised powder-metallurgical Al-Cu alloy composites. <i>Surface and Coatings Technology</i> , 2014, 242, 118-124.	4.8	8
117	The effect of anodising on the fatigue performance of self-tapping aluminium screws. <i>International Journal of Fatigue</i> , 2015, 75, 108-114.	5.7	8
118	Temperature and Particle Size Influence on the High Cycle Fatigue Behavior of the SiC Reinforced 2124 Aluminum Alloy. <i>Metals</i> , 2018, 8, 43.	2.3	8
119	Thermal Spray Coatings as an Adhesion Promoter in Metal/FRP Joints. <i>Metals</i> , 2018, 8, 769.	2.3	8
120	Phase Stability and Microstructure Evolution of Solution-Hardened 316L Powder Feedstock for Thermal Spraying. <i>Metals</i> , 2018, 8, 1063.	2.3	8
121	Corrosion characteristics of a quenching and partitioning steel determined by electrochemical impedance spectroscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 373, 012003.	0.6	8
122	Investigation of surface properties in turn milling of particle-reinforced aluminium matrix composites using MCD-tipped tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 937-950.	3.0	8
123	Designing (Ultra)Fine-Grained High-Entropy Alloys by Spark Plasma Sintering and Equal-Channel Angular Pressing. <i>Crystals</i> , 2020, 10, 1157.	2.2	8
124	Deformation, Cracking and Fracture Behavior of Dynamically-Formed Oxide Layers on Molten Metals. <i>Metals and Materials International</i> , 2021, 27, 1701-1712.	3.4	8
125	Experimental and Numerical Investigations into Magnetic Pulse Welding of Aluminum Alloy 6016 to Hardened Steel 22MnB5. <i>Journal of Manufacturing and Materials Processing</i> , 2021, 5, 66.	2.2	8
126	Amino Group Bearing Organic-Inorganic Hybrid Materials for Joining Aluminum Alloys and Thermoplastic Fiber-Reinforced Parts. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601115.	3.7	8

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127	Status quo und Trends der Galvanotechnik. Materialwissenschaft Und Werkstofftechnik, 2008, 39, 52-57.	0.9	7
128	Einfluss der Mikrostruktur auf das Verschleißverhalten der hartanodisierten Aluminium-legierungen EN AW-6082 und EN AW-7075. Materialwissenschaft Und Werkstofftechnik, 2009, 40, 523-531.	0.9	7
129	Surface modification of austenitic thermal-spray coatings by low-temperature nitrocarburizing. IOP Conference Series: Materials Science and Engineering, 2016, 118, 012008.	0.6	7
130	A numerical and experimental comparison of test methods for the shear strength in hybrid metal/thermoplastic-compounds. IOP Conference Series: Materials Science and Engineering, 2017, 181, 012031.	0.6	7
131	Galvanic deposited Ni-Ir electrocatalyst for electrolyzers. Materials Letters, 2021, 297, 129820.	2.6	7
132	SURFACE INTEGRITY IN TURNING OF FE17CR2NI0.2C IRON BASED THERMALLY SPRAYED COATINGS WITH SPECIAL RESPECT TO THE INFLUENCE OF THE FEED. MM Science Journal, 2019, 2019, 3220-3227.	0.4	7
133	EBSD und STEM an hochgradig plastisch verformten Aluminiumlegierungen. Praktische Metallographie/Practical Metallography, 2011, 48, 136-150.	0.3	7
134	Heat Treatment Influencing Porosity and Tensile Properties of Field Assisted Sintered AlSi7Mg0.6. Materials, 2022, 15, 2503.	2.9	7
135	Surface properties in turning of aluminum alloys applying different cooling strategies. Procedia CIRP, 2022, 108, 246-251.	1.9	7
136	High-Speed Laser Metal Deposition of CrFeCoNi and AlCrFeCoNi HEA Coatings with Narrow Intermixing Zone and their Machining by Turning and Diamond Smoothing. Coatings, 2022, 12, 879.	2.6	7
137	Cost-efficient conversion coatings for corrosion protection prepared by the sol-gel process. Materialwissenschaft Und Werkstofftechnik, 2008, 39, 460-465.	0.9	6
138	Investigation of Mechanical and Microstructural Characteristics of Al-Mg Compounds. Advanced Engineering Materials, 2009, 11, 568-572.	3.5	6
139	Interface Characterization and Bonding Mechanisms of Cold Gas-Sprayed Al Coatings on Ceramic Substrates. Journal of Thermal Spray Technology, 2014, 24, 92.	3.1	6
140	Influence of Particulate Reinforcement and Equal-Channel Angular Pressing on Fatigue Crack Growth of an Aluminum Alloy. Metals, 2015, 5, 790-801.	2.3	6
141	On the development of an intrinsic hybrid composite. IOP Conference Series: Materials Science and Engineering, 2016, 118, 012017.	0.6	6
142	Multimetallic Electrodeposition on Carbon Fibers. IOP Conference Series: Materials Science and Engineering, 2016, 118, 012027.	0.6	6
143	Evaluation of characterization methods for solid thermal interface materials. , 2017, , .		6
144	Localised anodic oxidation of aluminium material using a continuous electrolyte jet. IOP Conference Series: Materials Science and Engineering, 2017, 181, 012042.	0.6	6

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145	A process and load adjusted coating system for metallic inserts in hybrid composites. <i>Production Engineering</i> , 2018, 12, 249-257.	2.3	6
146	Pulse plating of Pd-Ag alloy films from deep eutectic solvents. <i>Surface Engineering</i> , 2019, 35, 1081-1087.	2.2	6
147	Finish Turning of FeCr17Ni2C0.2 Iron-based Sprayed Coatings: Influences of Substrate Preparation, Cutting Speed and Feed on the Coating and Surface Properties. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 308-318.	3.1	6
148	Characterization of FeP-based metallic glass coatings prepared with laser cladding. <i>Surface and Coatings Technology</i> , 2021, 405, 126733.	4.8	6
149	Enhancement of the Adhesion of Wire Arc Sprayed Coatings on Carbon Fiber-Reinforced Plastic by Surface Laser Structuring. <i>Coatings</i> , 2021, 11, 467.	2.6	6
150	Study on the Characteristics of a TBC System Containing a PVD-Al Interlayer under Isothermal Loading. <i>Coatings</i> , 2021, 11, 887.	2.6	6
151	Influence of Aluminum and Molybdenum on the Microstructure and Corrosion Behavior of Thermally Sprayed High-Entropy Alloy Coatings. <i>Journal of Thermal Spray Technology</i> , 2022, 31, 1366-1374.	3.1	6
152	Mikrostruktur-Untersuchungen zum Schwingungsverschleißverhalten von Nickelkomposit- und Ni-P-Schichten. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2006, 37, 1039-1048.	0.9	5
153	Auslegung keramischer Präzisionsgleitlager mit textiler Verstärkungskomponente. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2007, 38, 79-84.	0.9	5
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