

Thomas Lampke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

298
papers

3,102
citations

25
h-index

45
g-index

306
ext. papers

3,697
ext. citations

2.2
avg, IF

5.55
L-index

#	Paper	IF	Citations
298	Electrodeposition of Thick and Crack-Free Fe-Cr-Ni Coatings from a Cr (III) Electrolyte. <i>Coatings</i> , 2022 , 12, 56	2.9	0
297	Mathematical Modeling of the Limiting Current Density from Diffusion-Reaction Systems. <i>Axioms</i> , 2022 , 11, 53	1.6	0
296	Hardness Enhancement in CoCrFeNi _{1-x} (WC) _x High-Entropy Alloy Thin Films Synthesised by Magnetron Co-Sputtering. <i>Coatings</i> , 2022 , 12, 269	2.9	
295	Comparison of Aqueous and Gelled 3.5% NaCl Electrolytes for Assessing the Corrosion Resistance of Thermal Spray Stainless-Steel Coatings in Electrochemical Corrosion Tests. <i>Coatings</i> , 2022 , 12, 344	2.9	1
294	Silicate and Hydroxide Concentration Influencing the Properties of Composite Al ₂ O ₃ -TiO ₂ PEO Coatings on AA7075 Alloy. <i>Coatings</i> , 2022 , 12, 33	2.9	0
293	Assessment of CrFeCoNi and AlCrFeCoNi High-Entropy Alloys as Bond Coats for Thermal Barrier Coatings. <i>Journal of Thermal Spray Technology</i> , 2022 , 31, 1404	2.5	1
292	Enhanced Abrasion Resistance of Spark Plasma Sintered and HVOF Sprayed Hadfield High Manganese Steel by Turning and Diamond Smoothing. <i>Journal of Manufacturing and Materials Processing</i> , 2022 , 6, 48	2.2	
291	Integrating human cognition in cyber-physical systems: A multidimensional fuzzy pattern model with application to thermal spraying. <i>Journal of Manufacturing Systems</i> , 2022 , 63, 162-176	9.1	0
290	Evolution of Microstructure and Hardness of the Nitrided Zone during Plasma Nitriding of High-Alloy Tool Steel. <i>Metals</i> , 2022 , 12, 866	2.3	1
289	Low surface damage laser processing of silicon by laser-induced plasma etching (LIPE). <i>Applied Surface Science</i> , 2022 , 597, 153712	6.7	
288	Surface properties in turning of aluminum alloys applying different cooling strategies. <i>Procedia CIRP</i> , 2022 , 108, 246-251	1.8	0
287	Ultrasonic assisted milling of a CoCrFeNi medium entropy alloy. <i>Procedia CIRP</i> , 2022 , 108, 879-884	1.8	1
286	Surface hardening in finishing of sintered and thermal sprayed X120Mn12. <i>Procedia CIRP</i> , 2022 , 108, 216-221	1.8	
285	Influence of the kinematic roughness resulting from facing of AMC specimens on preconditioning of friction surfaces. <i>Procedia CIRP</i> , 2022 , 108, 1-6	1.8	1
284	Effects of Laser-Remelting on the Microstructure, Hardness and Oscillating Wear Resistance of Atmospheric Plasma Sprayed Alumina-Rich Coatings. <i>Coatings</i> , 2022 , 12, 721	2.9	
283	Sodium hexabromoiridate(III) for the electroplating of IrNi and IrReNi alloy coatings. <i>Thin Solid Films</i> , 2022 , 755, 139323	2.2	
282	Influence of Pre-Aging on the Hardness and Formability of a Thread Rolled 6056 Aluminum Alloy after Conventional Extrusion and Artificial Aging. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 116	2.2	

281	Analytical Model to Calculate the Grain Size of Bulk Material Based on Its Electrical Resistance. <i>Metals</i> , 2021 , 11, 21	2.3	1
280	On the Q&P Potential of a Commercial Spring Steel. <i>Metals</i> , 2021 , 11, 1612	2.3	
279	On a Robust and Efficient Numerical Scheme for the Simulation of Stationary 3-Component Systems with Non-Negative Species-Concentration with an Application to the Cu Deposition from a Cu-(Alanine)-Electrolyte. <i>Algorithms</i> , 2021 , 14, 113	1.8	2
278	Irregular Electrodeposition of Cu-Sn Alloy Coatings in [EMIM]Cl Outside the Glove Box with Large Layer Thickness. <i>Coatings</i> , 2021 , 11, 310	2.9	1
277	CoCrFeNi High-Entropy Alloy Thin Films Synthesised by Magnetron Sputter Deposition from Spark Plasma Sintered Targets. <i>Coatings</i> , 2021 , 11, 468	2.9	4
276	Stabilization of the Computation of Stability Constants and Species Distributions from Titration Curves. <i>Computation</i> , 2021 , 9, 55	2.2	2
275	Artificial aging time influencing the crack propagation behavior of the aluminum alloy 6060 processed by equal channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 811, 141039	5.3	1
274	Nickel-Aluminum Thermal Spray Coatings as Adhesion Promoter and Susceptor for Inductively Joined Polymer-Metal Hybrids. <i>Polymers</i> , 2021 , 13,	4.5	2
273	Enhancement of the Adhesion of Wire Arc Sprayed Coatings on Carbon Fiber-Reinforced Plastic by Surface Laser Structuring. <i>Coatings</i> , 2021 , 11, 467	2.9	1
272	Formation of corundum-rich alumina coatings on low-carbon steel by plasma electrolytic oxidation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012007	0.4	2
271	High-temperature wear behaviour of borided Inconel 718 HVOF coatings. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012032	0.4	0
270	Chemical structure of amino-terminated alkyl silanes influencing the strength of aluminum-polyamide joints. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012015	0.4	1
269	Influence of metal matrix powder size on the tensile strength of a SiCp/AlSi7Mg0,6 composite produced by field assisted sintering technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012020	0.4	1
268	Suitability of roughness parameters for the interlaminar strength prediction of mechanically interlocked polymer-metal-interfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012021	0.4	
267	High temperature treatment effects on the microstructure and properties of a plasma sprayed 25 mol% Al ₂ O ₃ -25 mol% Cr ₂ O ₃ -50 mol% TiO ₂ coating. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012029	0.4	
266	Electrochemical testing of thermal spray coatings using gel electrolytes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012031	0.4	1
265	Influence of the production route on the phase formation, microstructure and wear behaviour of the high-entropy alloy AlCoCrFeNiTi0.5. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012009	0.4	
264	Conversion layers by plasma-electrolytic oxidation of aluminum in acrylate and benzoate electrolytes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012005	0.4	

263	Advanced corrosion resistant cylinder-bore coatings. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012034	0.4	
262	Electrodeposition of FeCrNi and FeCr alloys and influence of heat treatment on microstructure and composition. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012003	0.4	1
261	Electrolyte design and characterization of REACH-compliant Zn-W and Zn-W-Cu electrodeposits. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1147, 012004	0.4	1
260	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	3
259	Jominy End Quench Test of Martensitic Stainless Steel X30Cr13. <i>Metals</i> , 2021 , 11, 1071	2.3	0
258	Study on the Characteristics of a TBC System Containing a PVD-Al Interlayer under Isothermal Loading. <i>Coatings</i> , 2021 , 11, 887	2.9	1
257	Influence of the finish-machining by turning and diamond smoothing on the tribological properties of Fe17Cr2Ni0.2C thermally sprayed coatings. <i>Surface and Coatings Technology</i> , 2021 , 405, 126731	4.4	3
256	Characterization of FeP-based metallic glass coatings prepared with laser cladding. <i>Surface and Coatings Technology</i> , 2021 , 405, 126733	4.4	3
255	Influence of simultaneous Cr2O3 and TiO2 additions on the microstructure and properties of APS alumina coatings. <i>Surface and Coatings Technology</i> , 2021 , 405, 126702	4.4	10
254	Changes in the Coating Composition Due to APS Process Conditions for Al2O3-Cr2O3-TiO2 Ternary Powder Blends. <i>Journal of Thermal Spray Technology</i> , 2021 , 30, 168-180	2.5	3
253	Electrodeposition of Pd alloys from choline chloride/urea deep eutectic solvents. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157462	5.7	8
252	Deformation, Cracking and Fracture Behavior of Dynamically-Formed Oxide Layers on Molten Metals. <i>Metals and Materials International</i> , 2021 , 27, 1701-1712	2.4	4
251	Influence of Pre-Aging on the Artificial Aging Behavior of a 6056 Aluminum Alloy after Conventional Extrusion. <i>Metals</i> , 2021 , 11, 385	2.3	1
250	Fundamental Investigations in Tool Wear and Characteristics of Surface Microstructure for Ultrasonic Vibration Superimposed Machining of Heat-Treated X46Cr13 Steel Using Different Cutting Materials. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 27	2.2	1
249	Influence of Thermochemical Treatment on the Surface Properties of Finish Turned Wire Arc Sprayed 17Cr Steel Coatings. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6520	2.6	1
248	Galvanic deposited Ni-Ir electrocatalyst for electrolysers. <i>Materials Letters</i> , 2021 , 297, 129820	3.3	1
247	How to create a Ni-free corrosion protecting deposit on basis of ZnFe-X. <i>Transactions of the Institute of Metal Finishing</i> , 2021 , 99, 227-230	1.3	1
246	Coupled experimental and simulative investigation of the influence of polymer moisture content on the strength of amino-silane-mediated aluminum polyamide 6 joints. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 109, 102906	3.4	1

245	Review of plasma electrolytic oxidation of titanium substrates: Mechanism, properties, applications and limitations. <i>Applied Surface Science Advances</i> , 2021 , 5, 100121	2.6	26
244	Texture orientation, morphology and performance of nanocrystalline nickel coatings electrodeposited from a Watts-type bath: Effects of H3BO3 concentration and plating time. <i>Surface and Coatings Technology</i> , 2021 , 424, 127648	4.4	7
243	Hybridprofile für Trag- und Crashstrukturen 2021 , 121-203		
242	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	10
241	Boriding of Laser-Clad Inconel 718 Coatings for Enhanced Wear Resistance. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11935	2.6	2
240	Designing (Ultra)Fine-Grained High-Entropy Alloys by Spark Plasma Sintering and Equal-Channel Angular Pressing. <i>Crystals</i> , 2020 , 10, 1157	2.3	2
239	Measurement system based on the Seebeck effect for the determination of temperature and tool wear during turning of aluminum alloys. <i>Procedia CIRP</i> , 2020 , 93, 1435-1441	1.8	9
238	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	2.9	6
237	Introducing Fractal Dimension for Interlaminar Shear and Tensile Strength Assessment of Mechanically Interlocked Polymer-Metal Interfaces. <i>Materials</i> , 2020 , 13,	3.5	11
236	Influence of the cutting parameters on the surface properties in turning of a thermally sprayed AlCoCrFeNiTi coating. <i>Procedia CIRP</i> , 2020 , 87, 19-24	1.8	7
235	Simultaneous Electrodeposition of Silver and Tungsten from [EMIm]Cl:AlCl3 Ionic Liquids outside the Glove Box. <i>Coatings</i> , 2020 , 10, 553	2.9	1
234	Method for process monitoring of surface layer changes in turning of aluminium alloys using tools with a flank face chamfer. <i>Procedia CIRP</i> , 2020 , 87, 432-437	1.8	4
233	Microstructure and Sliding Wear Resistance of Plasma Sprayed Al2O3-Cr2O3-TiO2 Ternary Coatings from Blends of Single Oxides. <i>Coatings</i> , 2020 , 10, 42	2.9	9
232	CFD Enhanced Thermal Spray Process for Coating of Cylinder Bores of Car Engines. <i>Journal of Thermal Spray Technology</i> , 2020 , 29, 546-559	2.5	3
231	Wear and Corrosion Behaviour of Supersaturated Surface Layers in the High-Entropy Alloy Systems CrMnFeCoNi and CrFeCoNi. <i>Crystals</i> , 2020 , 10, 110	2.3	11
230	High-temperature wear behaviour of AlCoCrFeNiTi0.5 coatings produced by HVOF. <i>Surface and Coatings Technology</i> , 2020 , 403, 126379	4.4	14
229	Boriding of HVOF-sprayed Inconel 625 coatings. <i>Surface and Coatings Technology</i> , 2020 , 404, 126456	4.4	5
228	Microstructural Characterization of Quenched and Partitioned commercial Medium Carbon Steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 882, 012025	0.4	

227	Introduction to Plasma Electrolytic Oxidation—An Overview of the Process and Applications. <i>Coatings</i> , 2020 , 10, 628	2.9	67
226	Thermomechanical Treatment of Martensitic Stainless Steels Sheets and Its Effects on Their Deep Drawability and Resulting Hardness in Press Hardening. <i>Metals</i> , 2020 , 10, 1536	2.3	3
225	Equal-channel angular pressing influencing the mean stress sensitivity in the high cycle fatigue regime of the 6082 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 795, 140014	5.3	8
224	Precipitation Hardening of the HVOF Sprayed Single-Phase High-Entropy Alloy CrFeCoNi. <i>Coatings</i> , 2020 , 10, 701	2.9	10
223	Experimental and Numerical Assessment of the Hot Sheet Formability of Martensitic Stainless Steels. <i>Journal of Manufacturing and Materials Processing</i> , 2020 , 4, 122	2.2	2
222	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	2.5	6
221	Effect of Metal Surface Topography on the Interlaminar Shear and Tensile Strength of Aluminum/Polyamide 6 Polymer-Metal-Hybrids. <i>Materials</i> , 2019 , 12,	3.5	13
220	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	4.4	12
219	Effect of Adjusted Gas Nitriding Parameters on Microstructure and Wear Resistance of HVOF-Sprayed AISI 316L Coatings. <i>Materials</i> , 2019 , 12,	3.5	9
218	Quasi-static and fatigue bending behavior of a continuous fiber-reinforced thermoplastic/metal laminate. <i>Composites Part B: Engineering</i> , 2019 , 174, 107043	10	15
217	Mechanisms of fatigue crack propagation in a Q&P-processed steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 754, 18-28	5.3	4
216	Influence of the heat-treatment prior to plastic deformation on the aging behavior and the hardness of the aluminum alloy 6056. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012031	0.4	2
215	Thermally induced morphology changes of wire arc sprayed copper and corrosion-resistant steel (316L). <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012010	0.4	
214	Neural network for prediction of hardness profiles for steel alloys after plasma nitriding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012019	0.4	1
213	Mean stress sensitivity of the fatigue strength after equal-channel angular pressing of the aluminum alloys 6082 and 6060. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012032	0.4	1
212	Surface inspection of joint areas by means of laser-induced breakdown spectroscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012006	0.4	2
211	Concepts for interface engineering and characterization in composite hybrid structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012014	0.4	4
210	Localized anodization of the aluminum alloy EN AW-7075 T6 by closed electrolytic free jet. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012015	0.4	1

209	Surface modification for corrosion resistance of electric conductive metal surfaces with plasma electrolytic polishing 2019 ,		1
208	Pitting corrosion behavior of a laser hardened, high-alloyed steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 480, 012018	0.4	1
207	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	3.2	2
206	High-Temperature Wear Behaviour of Spark Plasma Sintered AlCoCrFeNiTi High-Entropy Alloy. <i>Entropy</i> , 2019 , 21,	2.8	15
205	Pulse plating of PdAg alloy films from deep eutectic solvents. <i>Surface Engineering</i> , 2019 , 35, 1081-1087	2.6	5
204	Influencing the Properties of the Generated Surface by Adjusted Rake and Clearance Angles in Side Milling of Aluminum Matrix Composites with MCD-Tipped Tools. <i>Journal of Manufacturing and Materials Processing</i> , 2019 , 3, 59	2.2	1
203	Mechanically induced grain refinement, recovery and recrystallization of cold-sprayed iron aluminide coatings. <i>Surface and Coatings Technology</i> , 2019 , 380, 125069	4.4	5
202	SURFACE INTEGRITY IN TURNING OF FE17CR2NI0.2C IRON BASED THERMALLY SPRAYED COATINGS WITH SPECIAL RESPECT TO THE INFLUENCE OF THE FEED. <i>MM Science Journal</i> , 2019 , 2019, 3220-3227	1.9	6
201	Mechanical test procedures for the evaluation of hydrogen-assisted damage in high-strength steel. <i>Materialpruefung/Materials Testing</i> , 2019 , 61, 1061-1071	1.9	
200	Influence of SiC particle volume fraction and texture on the surface properties in milling of AMCs with MCD-tipped tools. <i>Procedia CIRP</i> , 2019 , 85, 90-95	1.8	2
199	Strain-rate sensitive ductility in a low-alloy carbon steel after quenching and partitioning treatment. <i>Scientific Reports</i> , 2019 , 9, 17023	4.9	5
198	Hydrogen embrittlement of a quenching and partitioning steel during corrosion and zinc electroplating. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 744, 247-254	5.3	7
197	Characterization of thermally sprayed copper and numerically supported residual stress determination by the incremental hole-drilling method. <i>Surface and Coatings Technology</i> , 2019 , 371, 255-261	4.4	2
196	Determination of the strength of polymer-metal interfaces under mixed mode loading using butt-bonded hollow cylinders. <i>International Journal of Adhesion and Adhesives</i> , 2019 , 89, 30-39	3.4	4
195	Surface hardening of FCC phase high-entropy alloy system by powder-pack boriding. <i>Surface and Coatings Technology</i> , 2019 , 371, 389-394	4.4	25
194	Characterization Methods for Solid Thermal Interface Materials. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018 , 8, 1024-1031	1.7	9
193	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	2.2	9
192	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	2.5	21

191	A process and load adjusted coating system for metallic inserts in hybrid composites. <i>Production Engineering</i> , 2018 , 12, 249-257	1.9	6
190	The Potential of EBSD and EDS for Ceramics Investigations Case Studies on Sherds of Pre-Columbian Pottery. <i>Archaeometry</i> , 2018 , 60, 489-501	1.6	2
189	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	0.4	7
188	Design of high strength polymer metal interfaces by laser microstructured surfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 373, 012015	0.4	6
187	Microstructural Evolution during Severe Plastic Deformation by Gradation Extrusion. <i>Metals</i> , 2018 , 8, 96	2.3	12
186	Effect of Nitric and Oxalic Acid Addition on Hard Anodizing of AlCu4Mg1 in Sulphuric Acid. <i>Metals</i> , 2018 , 8, 139	2.3	4
185	Plasma Electrolytic Oxidation of High-Strength Aluminium Alloys Substrate Effect on Wear and Corrosion Performance. <i>Metals</i> , 2018 , 8, 356	2.3	17
184	Electrodeposition and characterisation of Al-W alloy films from ionic liquid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 373, 012007	0.4	4
183	Cobalt and manganese carboxylates for metal oxide thin film deposition by applying the atmospheric pressure combustion chemical vapour deposition process.. <i>RSC Advances</i> , 2018 , 8, 15632-15640	2.7	11
182	Oxidation behavior of thermal barrier coating systems with Al interlayer under isothermal loading. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 373, 012010	0.4	1
181	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	6
180	Influence of dovetail microstructures on adhesive tensile strength and morphology of thermally sprayed metal coatings. <i>Procedia CIRP</i> , 2018 , 71, 299-304	1.8	2
179	Hardening of HVOF-Sprayed Austenitic Stainless-Steel Coatings by Gas Nitriding. <i>Coatings</i> , 2018 , 8, 348	2.9	14
178	Enhanced Wear Behaviour of Spark Plasma Sintered AlCoCrFeNiTi High-Entropy Alloy Composites. <i>Materials</i> , 2018 , 11,	3.5	12
177	Thermal Spray Coatings as an Adhesion Promoter in Metal/FRP Joints. <i>Metals</i> , 2018 , 8, 769	2.3	6
176	Phase Stability and Microstructure Evolution of Solution-Hardened 316L Powder Feedstock for Thermal Spraying. <i>Metals</i> , 2018 , 8, 1063	2.3	7
175	Characteristics of dynamically-formed surface oxide layers on molten zinc-aluminum alloys: A multimodality approach. <i>Thin Solid Films</i> , 2018 , 667, 34-39	2.2	8
174	Influence of Titanium on Microstructure, Phase Formation and Wear Behaviour of AlCoCrFeNiTi High-Entropy Alloy. <i>Entropy</i> , 2018 , 20,	2.8	35

173	Heat treatment condition of EN AW-7075 influencing the anodic oxidation process and coating properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 373, 012021	0.4	1
172	The room temperature tensile deformation behavior of thermomechanically processed Emetastable 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	5.3	13
171	Nondestructive analysis of pitting corrosion characteristics on EN AW-2024-T3 using 3D optical pattern profilometry. <i>Corrosion Engineering Science and Technology</i> , 2018 , 53, 194-198	1.7	3
170	Adapted diffusion processes for effective forging dies 2018 ,		1
169	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	4.4	17
168	Electrolyte influence on ignition of plasma electrolytic oxidation processes on light metals. <i>Surface and Coatings Technology</i> , 2017 , 315, 205-213	4.4	35
167	Co(II) ethylene glycol carboxylates for Co ₃ O ₄ nanoparticle and nanocomposite formation. <i>Journal of Materials Science</i> , 2017 , 52, 6697-6711	4.3	6
166	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	4.4	19
165	Local heteroepitaxy as an adhesion mechanism in aluminium coatings cold gas sprayed on AlN substrates. <i>Acta Materialia</i> , 2017 , 128, 418-427	8.4	20
164	Composition of highly concentrated silicate electrolytes and ultrasound influencing the plasma electrolytic oxidation of magnesium. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012040	0.4	3
163	Evaluation of characterization methods for solid thermal interface materials 2017 ,		4
162	Electrochemical deposition of iridium and iridium-nickel-alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012041	0.4	10
161	Processing of AlCoCrFeNiTi high entropy alloy by atmospheric plasma spraying. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012015	0.4	18
160	Detection and Prediction of Corrosion-Affecting Parameters in Cold Flat Rolling Processes. <i>Procedia Engineering</i> , 2017 , 184, 22-29		
159	A numerical and experimental comparison of test methods for the shear strength in hybrid metal/thermoplastic-compounds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012031	0.4	5
158	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	16
157	The Interface of an Intrinsic Hybrid Composite Development, Production and Characterisation. <i>Procedia CIRP</i> , 2017 , 66, 289-293	1.8	9
156	Archaeometric case studies on decorations of pre-Columbian pottery using X-ray spectroscopy maps and profiles. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017 , 48, 485-494	0.9	

155	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	5.3	24
154	Evaluation of the bonding behaviour of thin bio-based wooden laminates. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017 , 48, 1173-1180	0.9	1
153	Localised anodic oxidation of aluminium material using a continuous electrolyte jet. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012042	0.4	4
152	Experimental and numerical investigation of the residual yield strength of aluminium alloy EN AW-2024-T3 affected by artificially produced pitting corrosion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012023	0.4	1
151	Macromechanical finite-element simulations for predicting microstructures by experimental calibration. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012036	0.4	2
150	Influence of the heat treatment condition of alloy AlCu4Mg1 on the microstructure and properties of anodic oxide layers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012043	0.4	2
149	Downscaled anodic oxidation process for aluminium in oxalic acid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012044	0.4	2
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126	Anodisation with dynamic current control for tailored alumina coatings. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 118, 012038	0.4	2
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2	Comparison of Microstructures and Selected Properties of Plasma-Sprayed Iron-Based Metallic Glass Coatings. <i>Journal of Thermal Spray Technology</i> , 1	2.5	0
1	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> , 1	2.5	2