Thomas Lindner

List of Publications by Year
in descending order

Version: 2024-02-01

36 papers	571 citations	623574 14 h-index	642610 23 g-index
37 all docs	37 docs citations	37 times ranked	391 citing authors

#	Article	IF	Citations
1	Microstructure and Wear Resistance of AlCoCrFeNiTi High-Entropy Alloy Coatings Produced by HVOF. Coatings, 2017, 7, 144.	1.2	70
2	Influence of Titanium on Microstructure, Phase Formation and Wear Behaviour of AlCoCrFeNiTix High-Entropy Alloy. Entropy, 2018, 20, 505.	1.1	68
3	Surface hardening of FCC phase high-entropy alloy system by powder-pack boriding. Surface and Coatings Technology, 2019, 371, 389-394.	2.2	51
4	High-temperature wear behaviour of AlCoCrFeNiTi0.5 coatings produced by HVOF. Surface and Coatings Technology, 2020, 403, 126379.	2.2	41
5	The Phase Composition and Microstructure of AlxCoCrFeNiTi Alloys for the Development of High-Entropy Alloy Systems. Metals, 2017, 7, 162.	1.0	29
6	High-Temperature Wear Behaviour of Spark Plasma Sintered AlCoCrFeNiTi0.5 High-Entropy Alloy. Entropy, 2019, 21, 582.	1.1	28
7	Microstructure and Wear Behavior of the Highâ€Velocityâ€Oxygenâ€Fuel Sprayed and Spark Plasma Sintered Highâ€Entropy Alloy AlCrFeCoNi. Advanced Engineering Materials, 2021, 23, 2001253.	1.6	26
8	Enhanced Wear Behaviour of Spark Plasma Sintered AlCoCrFeNiTi High-Entropy Alloy Composites. Materials, 2018, 11, 2225.	1.3	21
9	Precipitation Hardening of the HVOF Sprayed Single-Phase High-Entropy Alloy CrFeCoNi. Coatings, 2020, 10, 701.	1.2	19
10	Effect of Metal Surface Topography on the Interlaminar Shear and Tensile Strength of Aluminum/Polyamide 6 Polymer-Metal-Hybrids. Materials, 2019, 12, 2963.	1.3	18
11	Hardening of HVOF-Sprayed Austenitic Stainless-Steel Coatings by Gas Nitriding. Coatings, 2018, 8, 348.	1.2	17
12	Introducing Fractal Dimension for Interlaminar Shear and Tensile Strength Assessment of Mechanically Interlocked Polymerâ€“Metal Interfaces. Materials, 2020, 13, 2171.	1.3	16
13	Wear and Corrosion Behaviour of Supersaturated Surface Layers in the High-Entropy Alloy Systems CrMnFeCoNi and CrFeCoNi. Crystals, 2020, 10, 110.	1.0	16
14	Microstructure and Sliding Wear Resistance of Plasma Sprayed Al2O3-Cr2O3-TiO2 Ternary Coatings from Blends of Single Oxides. Coatings, 2020, 10, 42.	1.2	15
15	Microstructure and Corrosion Properties of AlCrFeCoNi High-Entropy Alloy Coatings Prepared by HVAF and HVOF. Journal of Thermal Spray Technology, 2022, 31, 247-255.	1.6	15
16	Boriding of Laser-Clad Inconel 718 Coatings for Enhanced Wear Resistance. Applied Sciences (Switzerland), 2021, 11, 11935.	1.3	14
17	Effect of Adjusted Gas Nitriding Parameters on Microstructure and Wear Resistance of HVOF-Sprayed AISI 316L Coatings. Materials, 2019, 12, 1760.	1.3	13
18	Influence of the cutting parameters on the surface properties in turning of a thermally sprayed AlCoCrFeNiTi coating. Procedia CIRP, 2020, 87, 19-24.	1.0	13

#	Article	IF	Citations
19	Boriding of HVOF-sprayed Inconel 625 coatings. Surface and Coatings Technology, 2020, 404, 126456.	2.2	10
20	CoCrFeNi High-Entropy Alloy Thin Films Synthesised by Magnetron Sputter Deposition from Spark Plasma Sintered Targets. Coatings, 2021, 11, 468.	1.2	10
21	Thermal Spray Coatings as an Adhesion Promoter in Metal/FRP Joints. Metals, 2018, 8, 769.	1.0	8
22	Phase Stability and Microstructure Evolution of Solution-Hardened 316L Powder Feedstock for Thermal Spraying. Metals, 2018, 8, 1063.	1.0	8
23	Designing (Ultra)Fine-Grained High-Entropy Alloys by Spark Plasma Sintering and Equal-Channel Angular Pressing. Crystals, 2020, 10, 1157.	1.0	8
24	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.	1.2	7
25	Influence of Aluminum and Molybdenum on the Microstructure and Corrosion Behavior of Thermally Sprayed High-Entropy Alloy Coatings. Journal of Thermal Spray Technology, 2022, 31, 1366-1374.	1.6	6
26	Ultrasonic assisted milling of a CoCrFeNi medium entropy alloy. Procedia CIRP, 2022, 108, 879-884.	1.0	5
27	Cold Gas Spraying of Solution-Hardened 316L Grade Stainless Steel Powder. Metals, 2022, 12, 30.	1.0	4
28	Nickel-Aluminum Thermal Spray Coatings as Adhesion Promoter and Susceptor for Inductively Joined Polymer-Metal Hybrids. Polymers, 2021, 13, 1320.	2.0	3
29	Comparison of Aqueous and Gelled 3.5% NaCl Electrolytes for Assessing the Corrosion Resistance of Thermal Spray Stainless-Steel Coatings in Electrochemical Corrosion Tests. Coatings, 2022, 12, 344.	1.2	3
30	Elektrisch leitfÃhige kohlenstofffaserverstÃrkte Kunststoffe (CFK) mit freiliegender Funktionsschicht. Materialwissenschaft Und Werkstofftechnik, 2015, 46, 844-851.	0.5	2
31	Influence of Thermochemical Treatment on the Surface Properties of Finish Turned Wire Arc Sprayed 17Cr Steel Coatings. Applied Sciences (Switzerland), 2021, 11, 6520.	1.3	2
32	Strain Rate Sensitive Deformation Behavior under Tension and Compression of Al 0.3 CrFeCoNiMo 0.2. Advanced Engineering Materials, 0, , 2100921.	1.6	2
33	Enhanced Abrasion Resistance of Spark Plasma Sintered and HVOF Sprayed Hadfield High Manganese Steel by Turning and Diamond Smoothing. Journal of Manufacturing and Materials Processing, 2022, 6, 48.	1.0	1
34	Surface hardening in finishing of sintered and thermal sprayed X120Mn12. Procedia CIRP, 2022, 108, 216-221.	1.0	1
35	Hardness Enhancement in CoCrFeNi1â^'x(WC)x High-Entropy Alloy Thin Films Synthesised by Magnetron Co-Sputtering. Coatings, 2022, 12, 269.	1.2	0
36	Effects of Laser-Remelting on the Microstructure, Hardness and Oscillating Wear Resistance of Atmospheric Plasma Sprayed Alumina-Rich Coatings. Coatings, 2022, 12, 721.	1.2	0