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List of Publications by Year
in descending order

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267	6,704	53794	98798
papers	citations	45 h-index	67 g-index

270	270	270	4148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tribological study of NiCrBSi coating obtained by different processes. Tribology International, 2003, 36, 181-187.	5.9	256
2	Cr3C2â€“NiCr and WCâ€“Ni thermal spray coatings as alternatives to hard chromium for erosionâ€“corrosion resistance. Surface and Coatings Technology, 2008, 202, 1405-1417.	4.8	175
3	Adhesion improvements of Thermal Barrier Coatings with HVOF thermally sprayed bond coats. Surface and Coatings Technology, 2007, 201, 4694-4701.	4.8	158
4	The enhancement of the properties of WC-Co HVOF coatings through the use of nanostructured and microstructured feedstock powders. Surface and Coatings Technology, 2006, 201, 1180-1190.	4.8	151
5	Residual stress development in cold sprayed Al, Cu and Ti coatings. Acta Materialia, 2013, 61, 6329-6337.	7.9	135
6	Comparative study of Cr3C2â€“NiCr coatings obtained by HVOF and hard chromium coatings. Corrosion Science, 2006, 48, 2998-3013.	6.6	131
7	Characterization of the W2C phase formed during the high velocity oxygen fuel spraying of a WC + 12 pct Co powder. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 1913-1921.	2.2	126
8	A review on fabrication, sensing mechanisms and performance of metal oxide gas sensors. Journal of Materials Science: Materials in Electronics, 2013, 24, 1410-1421.	2.2	121
9	Cold spray deposition of a WC-25Co cermet onto Al7075-T6 and carbon steel substrates. Acta Materialia, 2013, 61, 643-652.	7.9	115
10	Influence of HVOF parameters on the corrosion and wear resistance of WC-Co coatings sprayed on AA7050 T7. Surface and Coatings Technology, 2008, 202, 4746-4757.	4.8	102
11	High-Velocity Oxyfuel Cr₃C₂-NiCr Replacing Hard Chromium Coatings. Journal of Thermal Spray Technology, 2005, 14, 335-341.	3.1	97
12	Cold gas spray titanium coatings onto a biocompatible polymer. Materials Letters, 2013, 106, 97-99.	2.6	97
13	Role of heat treatments in the improvement of the sliding wear properties of Cr3C2â€“NiCr coatings. Surface and Coatings Technology, 2002, 157, 207-213.	4.8	87
14	Cold spray as an emerging technology for biocompatible and antibacterial coatings: state of art. Journal of Materials Science, 2015, 50, 4441-4462.	3.7	87
15	Corrosion characteristics of cold gas spray coatings of reinforced aluminum deposited onto carbon steel. Corrosion Science, 2017, 114, 57-71.	6.6	86
16	Thermal spraying of transition metal aluminides: An overview. Intermetallics, 2012, 24, 60-72.	3.9	85
17	Effects of thickness coating on the electrochemical behaviour of thermal spray Cr3C2â€“NiCr coatings. Surface and Coatings Technology, 2002, 153, 107-113.	4.8	84
18	Effect of microalloying elements on the austenitic grain growth in a low carbon HSLA steel. Materials Letters, 2007, 61, 2389-2392.	2.6	78

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19	Role of three-body abrasion wear in the sliding wear behaviour of WCâ€“Co coatings obtained by thermal spraying. Surface and Coatings Technology, 2001, 140, 141-146.	4.8	76
20	United airways again: high prevalence of rhinosinusitis and nasal polyps in bronchiectasis. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 790-797.	5.7	76
21	Development of substrate-coating adhesion in thermal spraying. International Materials Reviews, 1997, 42, 117-136.	19.3	75
22	Influence of atmospheric plasma spraying on the solar photoelectro-catalytic properties of TiO2 coatings. Applied Catalysis B: Environmental, 2016, 189, 151-159.	20.2	70
23	Is There an Overlap between Sudden Neurosensorial Hearing Loss and Cardiovascular Risk Factors?. Audiology and Neuro-Otology, 2009, 14, 139-145.	1.3	68
24	Investigation of coating porosity formation during high velocity oxy-fuel (HVOF) spraying. Materials Letters, 1994, 18, 304-308.	2.6	64
25	Electrochemical behavior of thermally sprayed stainless steel coatings in 3.4% NaCl solution. Corrosion Science, 2005, 47, 605-620.	6.6	62
26	Evaluation of residual stresses of thermal barrier coatings with HVOF thermally sprayed bond coats using the Modified Layer Removal Method (MLRM). Surface and Coatings Technology, 2006, 200, 5963-5972.	4.8	60
27	Corrosion behaviour of thermal sprayed nitinol coatings. Corrosion Science, 2009, 51, 171-180.	6.6	60
28	Plastic deformation phenomena during cold spray impact of WC-Co particles onto metal substrates. Acta Materialia, 2017, 124, 173-181.	7.9	60
29	Effect of Heat Treatments on HVOF Hydroxyapatite Coatings. Journal of Thermal Spray Technology, 2007, 16, 220-228.	3.1	59
30	Influence of Cold Gas Spray process conditions on the microstructure of Fe-based amorphous coatings. Journal of Alloys and Compounds, 2015, 622, 995-999.	5.5	59
31	Corrosion behavior of WC-Co coatings deposited by cold gas spray onto AA 7075-T6. Corrosion Science, 2018, 136, 231-243.	6.6	58
32	Milestones in Functional Titanium Dioxide Thermal Spray Coatings: A Review. Journal of Thermal Spray Technology, 2014, 23, 577-595.	3.1	57
33	Dynamic processes during high velocity oxyfuel spraying. International Materials Reviews, 1996, 41, 13-32.	19.3	56
34	Study of Ti deposition onto Al alloy by cold gas spraying. Surface and Coatings Technology, 2010, 205, 1096-1102.	4.8	54
35	High-temperature oxidation of Fe40Al coatings obtained by HVOF thermal spray. Intermetallics, 2007, 15, 1384-1394.	3.9	53
36	United airways: the impact of chronic rhinosinusitis and nasal polyps in bronchiectasic patientâ€™s quality of life. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 1524-1529.	5.7	53

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37	Prognostic significance of surgical margins in transoral CO2 laser microsurgery for T1â€“T4 pharyngo-laryngeal cancers. European Archives of Oto-Rhino-Laryngology, 2007, 264, 1045-1051.	1.6	52
38	Timing, Complications, and Safety of Tracheotomy in Critically Ill Patients With COVID-19. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 41.	2.2	52
39	Microstructural examination of HVOF chromium carbide coatings for high-temperature applications. Journal of Thermal Spray Technology, 1996, 5, 483-489.	3.1	51
40	Microstructural and fatigue behavior of cold sprayed Ni-based superalloys coatings. Surface and Coatings Technology, 2017, 324, 390-402.	4.8	51
41	Optimization of 316L stainless steel coatings on light alloys using Cold Gas Spray. Surface and Coatings Technology, 2013, 235, 220-225.	4.8	50
42	Cold spray deposition of WCâ€“17 and 12Co cermets onto aluminum. Surface and Coatings Technology, 2013, 235, 54-61.	4.8	49
43	On the formation of metallic glass coatings by means of Cold Gas Spray technology. Journal of Alloys and Compounds, 2015, 651, 764-772.	5.5	49
44	Studies of Feâ€“40Al coatings obtained by high velocity oxy-fuel. Surface and Coatings Technology, 2006, 201, 2072-2079.	4.8	46
45	Microstructure and mechanical properties of near-eutectic ZrO2â€“60wt.% Al2O3 produced by quenched plasma spraying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 506, 180-186.	5.6	46
46	Effect of Oxidation on Droplet Flattening and Splat-Substrate Interaction in Thermal Spraying. Journal of Thermal Spray Technology, 1999, 8, 523-530.	3.1	45
47	Corrosion and Wear Studies of Cr3C2NiCr-HVOF Coatings Sprayed on AA7050 T7 Under Cooling. Journal of Thermal Spray Technology, 2009, 18, 353-363.	3.1	45
48	Flattening of Droplets and Formation of Splats in Thermal Spraying: A Review of Recent Workâ€”Part 1. Journal of Thermal Spray Technology, 1999, 8, 87-101.	3.1	44
49	Modelling of particle movement and thermal behaviour during high velocity oxy-fuel spraying. Surface and Coatings Technology, 1994, 63, 181-187.	4.8	43
50	Corrosion resistance and antibacterial properties of copper coating deposited by cold gas spray. Surface and Coatings Technology, 2019, 361, 292-301.	4.8	43
51	Deposition mechanisms of metallic glass particles by Cold Gas Spraying. Acta Materialia, 2017, 125, 327-339.	7.9	42
52	Influence of spraying parameters on the electrochemical behaviour of HVOF thermally sprayed stainless steel coatings in 3.4% NaCl. Surface and Coatings Technology, 2006, 200, 3064-3072.	4.8	41
53	Effect of the spraying process on the microstructure and tribological properties of bronzeâ€“alumina composite coatings. Surface and Coatings Technology, 2010, 205, 2184-2190.	4.8	41
54	Comparison of the mechanical and electrochemical properties of WC-17 and 12Co coatings onto Al7075-T6 obtained by high velocity oxy-fuel and cold gas spraying. Surface and Coatings Technology, 2015, 268, 180-189.	4.8	40

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55	The impact of bronchiectasis associated to sinonasal disease on quality of life. Respiratory Medicine, 2006, 100, 1997-2003.	2.9	39
56	Acoustic emission study on WCâ€“Co thermal sprayed coatings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 352, 55-63.	5.6	37
57	Kinetic analysis of the austenitic grain growth in HSLA steel with a low carbon content. Materials Letters, 2008, 62, 3478-3480.	2.6	37
58	In-vitro comparison of hydroxyapatite coatings obtained by cold spray and conventional thermal spray technologies. Materials Science and Engineering C, 2020, 107, 110306.	7.3	37
59	Analysis of coating gas porosity development during thermal spraying. Surface and Coatings Technology, 1994, 70, 57-68.	4.8	36
60	Clinical and epidemiological study of vertigo at an outpatient clinic. Acta Oto-Laryngologica, 2004, 124, 49-52.	0.9	36
61	Acid blue 29 decolorization and mineralization by anodic oxidation with a cold gas spray synthesized Snâ€“Cuâ€“Sb alloy anode. Chemosphere, 2016, 148, 47-54.	8.2	36
62	Influence of the particle morphology on the Cold Gas Spray deposition behaviour of titanium on aluminum light alloys. Journal of Alloys and Compounds, 2013, 554, 89-96.	5.5	35
63	Influence of surface roughness on the flattening of powder particles during thermal spraying. Journal of Thermal Spray Technology, 1996, 5, 207-214.	3.1	34
64	Study of the HVOF Ni-Based Coatingsâ€™ Corrosion Resistance Applied on Municipal Solid-Waste Incinerators. Journal of Thermal Spray Technology, 2008, 17, 254-262.	3.1	34
65	Dense nanostructured calcium phosphate coating on titanium by cold spray. Journal of the European Ceramic Society, 2017, 37, 1747-1755.	5.7	34
66	A New Alternative for Obtaining Nanocrystalline Bioactive Coatings: Study of Hydroxyapatite Deposition Mechanisms by Cold Gas Spraying. Journal of the American Ceramic Society, 2016, 99, 1420-1428.	3.8	33
67	Microstructure characterization of WC-Ni coatings obtained by HVOF thermal spraying. Scripta Metallurgica Et Materialia, 1995, 33, 55-61.	1.0	32
68	Study of the high temperature oxidation performance of Thermal Barrier Coatings with HVOF sprayed bond coat and incorporating a PVD ceramic interlayer. Ceramics International, 2012, 38, 6423-6429.	4.8	32
69	Oxidation of coatings in thermal spraying. Materials Letters, 1998, 37, 231-235.	2.6	31
70	Erosion, Abrasive, and Friction Wear Behavior of Iron Aluminide Coatings Sprayed by HVOF. Journal of Thermal Spray Technology, 2008, 17, 762-773.	3.1	31
71	Study of stellite-6 deposition by cold gas spraying. Surface and Coatings Technology, 2013, 232, 891-898.	4.8	30
72	Photocatalytic abatement of NOx by C-TiO2/polymer composite coatings obtained by low pressure cold gas spraying. Applied Surface Science, 2016, 362, 274-280.	6.1	28

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73	The application of photoluminescence piezospectroscopy for residual stresses measurement in thermally sprayed TBCs. Surface and Coatings Technology, 2017, 318, 147-156.	4.8	28
74	Substrateâ€“coating thermal interaction during high velocity oxyfuel spraying. Materials Science and Technology, 1995, 11, 810-819.	1.6	27
75	Cold gas spray coatings: basic principles corrosion protection and applications. Ecletica Quimica, 2017, 42, 09.	0.5	27
76	Kinetic grain growth in Cu-Zn-Al shape memory alloys. Journal of Materials Science, 1991, 26, 4626-4630.	3.7	26
77	Flattening of Droplets and Formation of Splats in Thermal Spraying: A Review of Recent Workâ€”Part 2. Journal of Thermal Spray Technology, 1999, 8, 301-314.	3.1	26
78	Role of external applied stress on the two-way shape memory effect. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 431-435.	5.6	26
79	Use of scanning white light interferometry in the characterization of wear mechanisms in thermal-sprayed coatings. Materials Characterization, 2001, 47, 307-314.	4.4	25
80	An aesthetic deformity: Madelung's disease. Acta Oto-Laryngologica, 2005, 125, 328-330.	0.9	25
81	New procedures for building-up the active layer of gas sensors on flexible polymers. Surface and Coatings Technology, 2013, 235, 848-852.	4.8	25
82	Photocatalytic Activity of Nanostructured Anatase Coatings Obtained by Cold Gas Spray. Journal of Thermal Spray Technology, 2014, 23, 1135-1141.	3.1	25
83	Osteoblastic cell response on high-rough titanium coatings by cold spray. Journal of Materials Science: Materials in Medicine, 2018, 29, 19.	3.6	25
84	Corrosion resistance of HVOF WCâ€“Co and TiC/Niâ€“Ti coatings sprayed on commercial steel. Surface Engineering, 1998, 14, 133-135.	2.2	24
85	Electrochemical and Structural Characterization of Heat-Treated Cr[sub 3]C[sub 2]â€“NiCr Coatings. Journal of the Electrochemical Society, 2006, 153, B434.	2.9	24
86	Influence of spraying parameters on cold gas spraying of iron aluminide intermetallics. Surface and Coatings Technology, 2015, 268, 99-107.	4.8	24
87	Two way memory effect due to stabilized martensite. Scripta Metallurgica, 1988, 22, 261-264.	1.2	23
88	Droplet-substrate impact interaction in thermal spraying. Materials Letters, 1996, 28, 331-335.	2.6	23
89	Influence of thermal processes on coating formation during high velocity oxy-fuel (HVOF) spraying of WC-Ni powder particles. Surface and Coatings Technology, 1996, 82, 121-129.	4.8	23
90	Thermal stability of the martensitic transformation of Cuâ€“Alâ€“Niâ€“Mnâ€“Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 723-725.	5.6	23

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91	Tribological Behavior of Bronze Composite Coatings Obtained by Plasma Thermal Spraying. Tribology Letters, 2011, 42, 263-273.	2.6	23
92	Corrosion Resistance Evaluation of HVOF Produced Hydroxyapatite and TiO2-hydroxyapatite Coatings in Hanks' Solution. Materials Research, 2018, 21, .	1.3	23
93	Flattening of thermally sprayed particles. Materials Letters, 1995, 22, 209-213.	2.6	22
94	Electrochemical behaviour of thermally sprayed Cr3C2â€“NiCr coatings in 0.5 M H2SO4 media. Journal of Applied Electrochemistry, 2002, 32, 1287-1295.	2.9	22
95	Optimisation of HVOF thermal spray coatings for their implementation as MSWI superheater protectors. Corrosion Engineering Science and Technology, 2010, 45, 84-93.	1.4	22
96	Structural and properties characterization of stellite coatings obtained by cold gas spraying. Surface and Coatings Technology, 2013, 220, 90-97.	4.8	22
97	Comparison of the Mechanical and Electrochemical Properties of WC-25Co Coatings Obtained by High Velocity Oxy-Fuel and Cold Gas Spraying. Journal of Thermal Spray Technology, 2014, 23, 1251-1258.	3.1	22
98	The influence of feedstock powders on the CGS deposition efficiency of bond coats for TBCs. Journal of Alloys and Compounds, 2015, 622, 394-401.	5.5	22
99	Influence of grain growth on the martensitic transformation in Î²î—¸Cuî—¸Znî—¸Al memory alloys. Materials Research Bulletin, 1989, 24, 445-452.	5.2	21
100	Thermal interaction between WC-Co coating and steel substrate in process of HVOF spraying. Scripta Metallurgica Et Materialia, 1994, 31, 915-920.	1.0	21
101	The influence of gun transverse speed on electrochemical behaviour of thermally sprayed Cr3C2â€“NiCr coatings in 0.5 M H2SO4 solution. Electrochimica Acta, 2004, 49, 627-634.	5.2	21
102	X-Ray Diffraction Analysis of Titanium Carbonitride 30/70 and 70/30 Solid Solutions. Powder Diffraction, 1992, 7, 34-35.	0.2	20
103	Mechanical-property relationships of Co/WC and Coî—¸Niî—¸Fe/WC hard metal alloys. International Journal of Refractory Metals and Hard Materials, 1993, 12, 199-206.	3.8	20
104	WC-CoCr coatings sprayed by high velocity oxygen-fuel (HVOF) flame on AA7050 aluminum alloy: electrochemical behavior in 3.5% NaCl solution. Materials Research, 2007, 10, 377-385.	1.3	20
105	Microstructure Evolution During Spark Plasma Sintering of Metastable (ZrO₂â€“3 mol%) Tj ETQq1 1 0.784314 rgBT /Ov the American Ceramic Society, 2010, 93, 2864-2870.	3.8	20
106	Enhancing the bioactivity of polymeric implants by means of cold gas spray coatings. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 1537-1543.	3.4	20
107	Influence of nanostructured ZrO2 additions on the wear resistance of Ni-based alloy coatings deposited by APS process. Wear, 2013, 303, 591-601.	3.1	19
108	In-vitro study of hierarchical structures: Anodic oxidation and alkaline treatments onto highly rough titanium cold gas spray coatings for biomedical applications. Materials Science and Engineering C, 2018, 91, 589-596.	7.3	19

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109	Martensitic transformation differences on poly and single Î²-Cu-Zn-Al crystals. Materials Research Bulletin, 1988, 23, 1585-1590.	5.2	18
110	In-flight oxidation of composite powder particles during thermal spraying. International Journal of Heat and Mass Transfer, 2001, 44, 4667-4677.	4.8	18
111	FeAl and NbAl3 Intermetallic-HVOF Coatings: Structure and Properties. Journal of Thermal Spray Technology, 2009, 18, 536-545.	3.1	18
112	Deposition behavior of cold-sprayed metallic glass particles onto different substrates. Surface and Coatings Technology, 2018, 349, 13-23.	4.8	18
113	Building up WC-Co coatings by cold spray: A finite element simulation. Surface and Coatings Technology, 2019, 374, 674-689.	4.8	18
114	Substrate/coating interface structure of we-co high velocity oxygen fuel sprayed coating on low alloy steel. Materials Science and Technology, 1995, 11, 961-966.	1.6	17
115	Structure characterization and wear performance of NiTi thermal sprayed coatings. Smart Materials and Structures, 2010, 19, 085011.	3.5	17
116	The influence of grain boundaries on the transformation temperatures of Cu/1bZn/1bAl shape memory alloys. Materials Research Bulletin, 1990, 25, 1325-1332.	5.2	16
117	Prediction of powder particle behavior during high-velocity oxyfuel spraying. Journal of Thermal Spray Technology, 1995, 4, 287-296.	3.1	16
118	CaracterizaciÃ³n de nuevos recubrimientos biocompatibles de hidroxiapatita-TiO₂ obtenidos mediante ProyecciÃ³n TÃ©rmica de Alta Velocidad. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2011, 50, 59-64.	1.9	16
119	Effect of training time on two way shape memory effect obtained by stabilised stress induced martensite. Scripta Metallurgica Et Materialia, 1994, 30, 59-61.	1.0	15
120	Formation of chemical inhomogeneity in the coating structure during high velocity oxy-fuel (HVOF) spraying. Materials Letters, 1995, 25, 285-289.	2.6	15
121	Influence of solidification on the flattening of droplets during thermal spraying. Materials Letters, 1996, 28, 71-75.	2.6	15
122	Investigation of the development of coating structure during high velocity oxy-fuel (HVOF) spraying of WC-Ni powder particles. Surface and Coatings Technology, 1996, 82, 114-120.	4.8	15
123	Heat transfer during the formation of an HVOF sprayed WCâ€“Co coating on a copper substrate. Journal of Materials Processing Technology, 1999, 96, 1-8.	6.3	15
124	Formation of splats during thermal spraying of composite powder particles. Materials Letters, 2000, 42, 46-51.	2.6	15
125	Influence of liquid nitrogen quenching on the evolution of metastable phases during plasma spraying of (ZrO2â€“5wt.% Y2O3)â€“20wt.% Al2O3 coatings. Surface and Coatings Technology, 2009, 204, 149-156.	4.8	15
126	Tribological characterization of biocompatible HAp-TiO2 coatings obtained by high velocity oxy-fuel spray. Wear, 2013, 305, 8-13.	3.1	15

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127	Functionalized coatings by cold spray: An in vitro study of micro- and nanocrystalline hydroxyapatite compared to porous titanium. Materials Science and Engineering C, 2018, 87, 41-49.	7.3	15
128	TEM study of Î² and martensite in Cuî—¸Alî—¸Mn shape memory alloys. Materials Characterization, 1991, 26, 23-28.	4.4	14
129	The influence of WCî—¸Co HVOF thermal spraying on the microstructure of an Alî—¸4%Cu alloy substrate. Scripta Metallurgica Et Materialia, 1995, 33, 1055-1062.	1.0	14
130	The formation of coating shrinkage porosity in the process of thermal spraying. Journal of Materials Processing Technology, 1996, 58, 227-232.	6.3	14
131	Flattening of composite powder particles during thermal spraying. Journal of Thermal Spray Technology, 1997, 6, 353-360.	3.1	14
132	Improved bonding strength of bioactive cermet Cold Gas Spray coatings. Materials Science and Engineering C, 2014, 45, 117-121.	7.3	14
133	The relationship between chemical composition and transformation temperatures, Ms and As, in polycrystals and single crystals of Cu-Zn-Al shape-memory alloys. Thermochimica Acta, 1990, 167, 129-138.	2.7	13
134	The determination of the electron to atom ratio interval corresponding to the change in the martensitic structure from Î±â€² to Î²â€² in Cuznal shape memory alloys. Materials Research Bulletin, 1992, 27, 117-122.	5.2	13
135	Analysis of splat formation during flattening of thermally sprayed droplets. Materials Letters, 1996, 29, 185-190.	2.6	13
136	Investigation of droplet flattening during thermal spraying. Surface and Coatings Technology, 1997, 89, 82-89.	4.8	13
137	TEM study on the microstructure of Cuâ€“Alâ€“Ag shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 726-729.	5.6	13
138	Mechanical performance of bioceramic coatings obtained by high-velocity oxy-fuel spray for biomedical purposes. Surface and Coatings Technology, 2014, 242, 92-99.	4.8	13
139	The influence of training on the two way shape memory effect obtained by stabilised stress induced martensite. Scripta Metallurgica Et Materialia, 1990, 24, 1941-1945.	1.0	12
140	Influence of in-flight dissolution process on composite powder particle (WCî—¸Ni) behaviour during high velocity oxy-fuel spraying. Surface and Coatings Technology, 1996, 81, 136-145.	4.8	12
141	Improved, high conductivity titanium sub-oxide coated electrodes obtained byÂAtmospheric Plasma Spray. Journal of Power Sources, 2013, 238, 430-434.	7.8	12
142	Attrition and Cryogenic milling powder production for Low Pressure Cold Gas Spray and composite coatings characterization. Advanced Powder Technology, 2016, 27, 1257-1264.	4.1	12
143	Martensitic transformation: an approach to simultaneous study by microscopy, calorimetry and acoustic emission. Thermochimica Acta, 1986, 99, 19-25.	2.7	11
144	On the mechanism of two way shape memory effect obtained by stabilised stress induced martensite. Scripta Metallurgica Et Materialia, 1994, 30, 319-323.	1.0	11

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145	Substrateâ€“coating thermal interaction during high velocity oxyfuel spraying Part 2 â€“ Structure formation. Materials Science and Technology, 1995, 11, 1052-1059.	1.6	11
146	Influence of droplet impact angle on droplet-substrate mechanical interaction in thermal spraying. Materials Letters, 1998, 33, 315-319.	2.6	11
147	In-flight behaviour of steel particles during plasma spraying. Journal of Materials Processing Technology, 1999, 87, 37-45.	6.3	11
148	A one-cycle training technique for copper-based shape memory alloys. Journal of Materials Processing Technology, 2003, 139, 117-119.	6.3	11
149	Nanoscale characterization of FeAl-HVOF coatings. Surface and Coatings Technology, 2010, 205, 967-973.	4.8	11
150	Enhancing the performance of common electrode materials by means of atmospheric plasma spray coatings. Journal of Energy Storage, 2016, 5, 127-133.	8.1	11
151	The Effect of Hot Treatment on Composition and Microstructure of HVOF Iron Aluminide Coatings in Na2SO4 Molten Salts. Journal of Thermal Spray Technology, 2019, 28, 1492-1510.	3.1	11
152	A comparison of the two-way shape-memory effect achieved by stabilised stress-induced martensite training in Î² and martensitic Cu-Zn-Al-Co alloys. Materials Letters, 1992, 13, 105-108.	2.6	10
153	Formation of structure of WC-Co coatings on aluminum alloy substrate during high-velocity oxygen-fuel (HVOF) spraying. Journal of Thermal Spray Technology, 1995, 4, 401-407.	3.1	10
154	Interface structures of high velocity oxy-fuel sprayed WC-Co coating on a copper substrate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 232, 119-128.	5.6	10
155	Effect of cobalt addition on grain growth kinetics in Cuî—¸Znî—¸Al shape memory alloys. Intermetallics, 1998, 6, 445-450.	3.9	10
156	Variation of friction coefficient with percentage of metallic matrix in WCâ€“Co coatings sprayed by HVOF. Surface Engineering, 1998, 14, 129-132.	2.2	10
157	Effect of small Î³-precipitates on the two-way shape memory effect in Cuâ€“Znâ€“Al alloys. Materials & Design, 2000, 21, 557-559.	5.1	10
158	Mechanical and nanoindentation behavior of TiCâ€“NiTi thermal spray coatings. Journal of Alloys and Compounds, 2013, 577, S277-S281.	5.5	10
159	Dynamic processes during high velocity oxyfuel spraying. International Materials Reviews, 1996, 41, 13-32.	19.3	10
160	Stabilised stress induced martensite - its use in two way shape memory training processes. Scripta Metallurgica Et Materialia, 1990, 24, 241-244.	1.0	9
161	Transient liquid phase (TLP) diffusion bonding of a copper based shape memory alloy using silver as interlayer. Scripta Materialia, 1997, 37, 861-867.	5.2	9
162	Development of Coating Structure and Adhesion During High Velocity Oxygen-Fuel Spraying of WC-Co Powder on a Copper Substrate. Journal of Thermal Spray Technology, 2000, 9, 100-106.	3.1	9

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163	Production and Characterization of Metastable ZrO2-Al2O3Coatings Obtained by APSÂ+ÂQuench. Journal of Thermal Spray Technology, 2008, 17, 360-364.	3.1	9
164	Functional colored ceramic coatings obtained by thermal spray for decorative applications. Journal of the European Ceramic Society, 2012, 32, 3685-3692.	5.7	9
165	Prognostic significance and association of Helicobacter pylori infection in pharyngolaryngeal cancer. European Archives of Oto-Rhino-Laryngology, 2014, 271, 2539-2543.	1.6	9
166	Effect of the Outer Layer of Al Coatings Deposited by Cold Gas Spray on the Microstructure, Mechanical Properties and Corrosion Resistance of the AA 7075-T6 Aluminum Alloy. Journal of Thermal Spray Technology, 2020, 29, 1040-1053.	3.1	9
167	Study of the mechanical properties of low carbon content HSLA steels. Revista De Metalurgia, 2009, 45, 424-431.	0.5	9
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