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List of Publications by Year in descending order

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49
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331538

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of the Sol-Gel Synthesis Process in the Biomedical Field and Its Use to Enhance the Performance of Bioabsorbable Magnesium Implants. <i>Gels</i> , 2022, 8, 426.	2.1	7
2	Influence of roughness and grinding direction on the thickness and adhesion of sol-gel coatings deposited by dip-coating on AZ31 magnesium substrates. A Landau-Levich equation revision. <i>Surface and Coatings Technology</i> , 2021, 408, 126798.	2.2	20
3	Analysis of thermo-physical properties of NiCr HVOF coatings on T24, T92, VM12 and AISI 304 steels. <i>Surface and Coatings Technology</i> , 2021, 416, 127163.	2.2	3
4	High temperature corrosion behavior of Ni and Co base HVOF coatings exposed to NaCl-KCl salt mixture. <i>Surface and Coatings Technology</i> , 2021, 418, 127277.	2.2	18
5	Sol-gel coatings doped with graphene nanoplatelets for improving the degradation rate and the cytocompatibility of AZ31 alloy for biomedical applications. <i>Surface and Coatings Technology</i> , 2021, 426, 127745.	2.2	7
6	Ni20Cr coating on T24 steel pipes by HVOF thermal spray for high temperature protection. <i>Surface and Coatings Technology</i> , 2020, 381, 125133.	2.2	17
7	Silicon oxide multilayer coatings doped with carbon nanotubes and graphene nanoplatelets for corrosion protection of AZ31B magnesium alloy. <i>Progress in Organic Coatings</i> , 2020, 148, 105836.	1.9	23
8	Fabrication, Wear, and Corrosion Resistance of HVOF Sprayed WC-12Co on ZE41 Magnesium Alloy. <i>Coatings</i> , 2020, 10, 502.	1.2	11
9	PLA deposition on surface treated magnesium alloy: Adhesion, toughness and corrosion behaviour. <i>Surface and Coatings Technology</i> , 2020, 388, 125593.	2.2	30
10	Fireside corrosion on T24 steel pipes and HVOF NiCr coatings exposed to different salt mixtures. <i>Corrosion Science</i> , 2020, 173, 108747.	3.0	19
11	3D-printed self-healing composite polymer reinforced with carbon nanotubes. <i>Materials Letters</i> , 2019, 249, 91-94.	1.3	27
12	Wear Behavior of Copper-Graphite Composites Processed by Field-Assisted Hot Pressing. <i>Journal of Composites Science</i> , 2019, 3, 29.	1.4	19
13	Sandwich-Type Composites Based on Smart Ionomeric Polymer and Electrospun Microfibers. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	8
14	High temperature corrosion and wear behavior of HVOF-sprayed coating of Al ₂ O ₃ -NiAl on AISI 304 stainless steel. <i>Surface and Coatings Technology</i> , 2019, 359, 35-46.	2.2	31
15	Characterization and mechanical properties of stainless steel coatings deposited by HVOF on ZE41 magnesium alloy. <i>Surface and Coatings Technology</i> , 2019, 359, 73-84.	2.2	21
16	Wear Resistance of Stainless Steel Coatings on ZE41 Magnesium Alloy. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 1615-1631.	1.6	13
17	Thermally activated shape memory behavior of copolymers based on ethylene reinforced with silica nanoparticles. <i>Nanocomposites</i> , 2018, 4, 19-35.	2.2	14
18	Dry sliding wear behavior of globular AZ91 magnesium alloy and AZ91/SiCp composites. <i>Wear</i> , 2017, 390-391, 1-10.	1.5	120

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19	316L stainless steel coatings on ZE41 magnesium alloy using HVOF thermal spray for corrosion protection. <i>Surface and Coatings Technology</i> , 2016, 287, 9-19.	2.2	54
20	Al/SiCp and Al11Si/SiCp coatings on AZ91 magnesium alloy by HVOF. <i>Surface and Coatings Technology</i> , 2015, 261, 130-140.	2.2	27
21	Protection of carbon steel against molten aluminum attack and high temperature corrosion using high velocity oxygen-fuel WC-Co coatings. <i>Surface and Coatings Technology</i> , 2015, 262, 123-133.	2.2	33
22	Optimisation of the high velocity oxygen fuel (HVOF) parameters to produce effective corrosion control coatings on AZ91 magnesium alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 423-433.	0.8	32
23	Fracture behaviour of a magnesium-aluminium alloy treated by selective laser surface melting treatment. <i>Materials & Design</i> , 2014, 55, 361-365.	5.1	18
24	Corrosion behaviour of laser surface melted magnesium alloy AZ91D. <i>Materials & Design</i> , 2014, 57, 40-50.	5.1	73
25	High-temperature corrosion behavior of Ni-50Cr coating deposited by high velocity oxygen-fuel technique on low alloy ferritic steel. <i>Materials & Design</i> , 2014, 59, 94-102.	5.1	34
26	Dry sliding wear behavior of AM50B magnesium alloy. <i>Materials & Design</i> , 2014, 56, 549-556.	5.1	77
27	Dry sliding wear behaviour of laser surface melting treated AM60B magnesium alloy. <i>Surface and Coatings Technology</i> , 2013, 236, 368-379.	2.2	23
28	Dry sliding wear behavior of AM60B magnesium alloy. <i>Wear</i> , 2013, 301, 615-625.	1.5	81
29	Novel laser surface treatments on AZ91 magnesium alloy. <i>Surface and Coatings Technology</i> , 2013, 222, 118-127.	2.2	33
30	Influence of high velocity oxygen-fuel spraying parameters on the wear resistance of Al-SiC composite coatings deposited on ZE41A magnesium alloy. <i>Materials & Design</i> , 2013, 43, 144-152.	5.1	45
31	Characterization of the Corrosion Behavior of a Mg Alloy in Chloride Solution. <i>Corrosion</i> , 2013, 69, 497-508.	0.5	13
32	Selective laser surface melting of a magnesium-aluminium alloy. <i>Materials Letters</i> , 2012, 85, 98-101.	1.3	47
33	Application of atomic force microscopy to the study of blown polyethylene films. <i>Polymer Testing</i> , 2012, 31, 136-148.	2.3	5
34	Wear resistant coatings: Silica sol-gel reinforced with carbon nanotubes. <i>Thin Solid Films</i> , 2011, 519, 7904-7910.	0.8	28
35	Dry sliding wear behaviour of ZE41A magnesium alloy. <i>Wear</i> , 2011, 271, 2836-2844.	1.5	67
36	Wear improvement of sol-gel silica coatings on A380/SiCp aluminium composite substrate by diode laser sintering. <i>Materials & Design</i> , 2011, 32, 3865-3875.	5.1	8

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37	Sol-gel coatings of low sintering temperature for corrosion protection of ZE41 magnesium alloy. Surface and Coatings Technology, 2011, 205, 4183-4191.	2.2	32
38	Sol-gel silica coatings on ZE41 magnesium alloy for corrosion protection. Surface and Coatings Technology, 2010, 205, 2375-2385.	2.2	27
39	Fabrication of novel sol-gel silica coatings reinforced with multi-walled carbon nanotubes. Materials Letters, 2010, 64, 924-927.	1.3	10
40	Tough ceramic coatings: Carbon nanotube reinforced silica sol-gel. Applied Surface Science, 2010, 256, 6375-6384.	3.1	25
41	Estudio de la intercara de una preforma hÃbrida infiltrada sin presiÃn. Revista De Metalurgia, 2010, 46, 33-39.	0.1	0
42	Laser densification of sol-gel silica coatings on aluminium matrix composites for corrosion and hardness improvement. Surface and Coatings Technology, 2009, 203, 1474-1480.	2.2	16
43	Protection against corrosion of aluminium-SiC composites by sol-gel silica coatings. Surface and Coatings Technology, 2008, 202, 3755-3763.	2.2	19
44	Hardness recovery of ceramic coated aluminium matrix composites using thermal-shock resistant sol-gel silica coatings. Materials Letters, 2008, 62, 4315-4318.	1.3	8
45	Assessment of tensile behaviour of an Al-Mg alloy composite reinforced with NiAl and oxidized NiAl powder particles helped by nanoindentation. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2536-2540.	3.8	19
46	Surface treatment of aluminum matrix composites using a high power diode laser. Surface and Coatings Technology, 2007, 202, 1199-1203.	2.2	24
47	Wear resistance of multilayered sol-gel silica layers on aluminium matrix composites. Surface and Coatings Technology, 2007, 202, 1144-1148.	2.2	11
48	Characterisation of multilayered sol-gel silica coatings on aluminium-SiC composites. Surface and Coatings Technology, 2006, 201, 3715-3722.	2.2	15
49	Relationship between Laser Parameters - Microstructural Modification - Mechanical Properties of Laser Surface Melted Magnesium Alloy AZ91D. Materials Science Forum, 0, 765, 678-682.	0.3	0