

# Antonio Julio Lopez Galisteo

## List of Publications by Year in descending order

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49  
papers

1,312  
citations

331538

21  
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377752

34  
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50  
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50  
docs citations

50  
times ranked

1038  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry sliding wear behavior of globular AZ91 magnesium alloy and AZ91/SiCp composites. <i>Wear</i> , 2017, 390-391, 1-10.	1.5	120
2	Dry sliding wear behavior of AM60B magnesium alloy. <i>Wear</i> , 2013, 301, 615-625.	1.5	81
3	Dry sliding wear behavior of AM50B magnesium alloy. <i>Materials &amp; Design</i> , 2014, 56, 549-556.	5.1	77
4	Corrosion behaviour of laser surface melted magnesium alloy AZ91D. <i>Materials &amp; Design</i> , 2014, 57, 40-50.	5.1	73
5	Dry sliding wear behaviour of ZE41A magnesium alloy. <i>Wear</i> , 2011, 271, 2836-2844.	1.5	67
6	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
7	Selective laser surface melting of a magnesium-aluminium alloy. <i>Materials Letters</i> , 2012, 85, 98-101.	1.3	47
8	Influence of high velocity oxygen-fuel spraying parameters on the wear resistance of Al <sub>2</sub> O <sub>3</sub> -SiC composite coatings deposited on ZE41A magnesium alloy. <i>Materials &amp; Design</i> , 2013, 43, 144-152.	5.1	45
9	High-temperature corrosion behavior of Ni <sub>50</sub> Cr coating deposited by high velocity oxygen-fuel technique on low alloy ferritic steel. <i>Materials &amp; Design</i> , 2014, 59, 94-102.	5.1	34
10	Novel laser surface treatments on AZ91 magnesium alloy. <i>Surface and Coatings Technology</i> , 2013, 222, 118-127.	2.2	33
11	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
12	Sol-gel coatings of low sintering temperature for corrosion protection of ZE41 magnesium alloy. <i>Surface and Coatings Technology</i> , 2011, 205, 4183-4191.	2.2	32
13	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
14	High temperature corrosion and wear behavior of HVOF-sprayed coating of Al <sub>2</sub> O <sub>3</sub> -NiAl on AISI 304 stainless steel. <i>Surface and Coatings Technology</i> , 2019, 359, 35-46.	2.2	31
15	PLA deposition on surface treated magnesium alloy: Adhesion, toughness and corrosion behaviour. <i>Surface and Coatings Technology</i> , 2020, 388, 125593.	2.2	30
16	Wear resistant coatings: Silica sol-gel reinforced with carbon nanotubes. <i>Thin Solid Films</i> , 2011, 519, 7904-7910.	0.8	28
17	Sol-gel silica coatings on ZE41 magnesium alloy for corrosion protection. <i>Surface and Coatings Technology</i> , 2010, 205, 2375-2385.	2.2	27
18	Al/SiCp and Al <sub>11</sub> Si/SiCp coatings on AZ91 magnesium alloy by HVOF. <i>Surface and Coatings Technology</i> , 2015, 261, 130-140.	2.2	27

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19	3D-printed self-healing composite polymer reinforced with carbon nanotubes. <i>Materials Letters</i> , 2019, 249, 91-94.	1.3	27
20	Tough ceramic coatings: Carbon nanotube reinforced silica sol-gel. <i>Applied Surface Science</i> , 2010, 256, 6375-6384.	3.1	25
21	Surface treatment of aluminum matrix composites using a high power diode laser. <i>Surface and Coatings Technology</i> , 2007, 202, 1199-1203.	2.2	24
22	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
23	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
24	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
25	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
26	Assessment of tensile behaviour of an Al-Mg alloy composite reinforced with NiAl and oxidized NiAl powder particles helped by nanoindentation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 2536-2540.	3.8	19
27	Protection against corrosion of aluminium-SiC composites by sol-gel silica coatings. <i>Surface and Coatings Technology</i> , 2008, 202, 3755-3763.	2.2	19
28	Wear Behavior of Copper-Graphite Composites Processed by Field-Assisted Hot Pressing. <i>Journal of Composites Science</i> , 2019, 3, 29.	1.4	19
29	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
30	Fracture behaviour of a magnesium-aluminium alloy treated by selective laser surface melting treatment. <i>Materials &amp; Design</i> , 2014, 55, 361-365.	5.1	18
31	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
32	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
33	Laser densification of sol-gel silica coatings on aluminium matrix composites for corrosion and hardness improvement. <i>Surface and Coatings Technology</i> , 2009, 203, 1474-1480.	2.2	16
34	Characterisation of multilayered sol-gel silica coatings on aluminium-SiC composites. <i>Surface and Coatings Technology</i> , 2006, 201, 3715-3722.	2.2	15
35	Thermally activated shape memory behavior of copolymers based on ethylene reinforced with silica nanoparticles. <i>Nanocomposites</i> , 2018, 4, 19-35.	2.2	14
36	Characterization of the Corrosion Behavior of a Mg Alloy in Chloride Solution. <i>Corrosion</i> , 2013, 69, 497-508.	0.5	13

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37	Wear Resistance of Stainless Steel Coatings on ZE41 Magnesium Alloy. Journal of Thermal Spray Technology, 2018, 27, 1615-1631.	1.6	13
38	Wear resistance of multilayered sol-gel silica layers on aluminium matrix composites. Surface and Coatings Technology, 2007, 202, 1144-1148.	2.2	11
39	Fabrication, Wear, and Corrosion Resistance of HVOF Sprayed WC-12Co on ZE41 Magnesium Alloy. Coatings, 2020, 10, 502.	1.2	11
40	Fabrication of novel sol-gel silica coatings reinforced with multi-walled carbon nanotubes. Materials Letters, 2010, 64, 924-927.	1.3	10
41	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
42	Wear improvement of sol-gel silica coatings on A380/SiCp aluminium composite substrate by diode laser sintering. Materials & Design, 2011, 32, 3865-3875.	5.1	8
43	Sandwich-Type Composites Based on Smart Ionomeric Polymer and Electrospun Microfibers. Frontiers in Materials, 2019, 6, .	1.2	8
44	Sol-gel coatings doped with graphene nanoplatelets for improving the degradation rate and the cytocompatibility of AZ31 alloy for biomedical applications. Surface and Coatings Technology, 2021, 426, 127745.	2.2	7
45	The Role of the Sol-Gel Synthesis Process in the Biomedical Field and Its Use to Enhance the Performance of Bioabsorbable Magnesium Implants. Gels, 2022, 8, 426.	2.1	7
46	Application of atomic force microscopy to the study of blown polyethylene films. Polymer Testing, 2012, 31, 136-148.	2.3	5
47	Analysis of thermo-physical properties of NiCr HVOF coatings on T24, T92, VM12 and AISI 304 steels. Surface and Coatings Technology, 2021, 416, 127163.	2.2	3
48	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
49	Estudio de la intercara de una preforma hÃbrida infiltrada sin presiÃ³n. Revista De Metalurgia, 2010, 46, 33-39.	0.1	0