

Majid Laleh

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,228
citations

471371

17
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

972
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive manufacturing of steels: a review of achievements and challenges. <i>Journal of Materials Science</i> , 2021, 56, 64-107.	1.7	289
2	Effect of alumina sol addition to micro-arc oxidation electrolyte on the properties of MAO coatings formed on magnesium alloy AZ91D. <i>Journal of Alloys and Compounds</i> , 2010, 496, 548-552.	2.8	116
3	Effect of surface nanocrystallization on the microstructural and corrosion characteristics of AZ91D magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9150-9156.	2.8	101
4	Unexpected erosion-corrosion behaviour of 316L stainless steel produced by selective laser melting. <i>Corrosion Science</i> , 2019, 155, 67-74.	3.0	89
5	Two and three-dimensional characterisation of localised corrosion affected by lack-of-fusion pores in 316L stainless steel produced by selective laser melting. <i>Corrosion Science</i> , 2020, 165, 108394.	3.0	84
6	On the unusual intergranular corrosion resistance of 316L stainless steel additively manufactured by selective laser melting. <i>Corrosion Science</i> , 2019, 161, 108189.	3.0	80
7	Unanticipated drastic decline in pitting corrosion resistance of additively manufactured 316L stainless steel after high-temperature post-processing. <i>Corrosion Science</i> , 2020, 165, 108412.	3.0	77
8	Investigation of rare earth sealing of porous micro-arc oxidation coating formed on AZ91D magnesium alloy. <i>Journal of Rare Earths</i> , 2012, 30, 1293-1297.	2.5	56
9	Low-Temperature Nitriding of Nanocrystalline Stainless Steel and Its Effect on Improving Wear and Corrosion Resistance. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 1304-1310.	1.2	39
10	Grain boundary character distribution in an additively manufactured austenitic stainless steel. <i>Scripta Materialia</i> , 2021, 192, 115-119.	2.6	39
11	Improvement in corrosion resistance of micro arc oxidation coating formed on AZ91D magnesium alloy via applying a nano-crystalline sol-gel layer. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 59, 297-303.	1.1	36
12	A critical review of corrosion characteristics of additively manufactured stainless steels. <i>International Materials Reviews</i> , 2021, 66, 563-599.	9.4	33
13	Formation of a compact oxide layer on AZ91D magnesium alloy by microarc oxidation via addition of cerium chloride into the MAO electrolyte. <i>Journal of Coatings Technology Research</i> , 2011, 8, 765-771.	1.2	31
14	Suppression of chromium depletion and sensitization in austenitic stainless steel by surface mechanical attrition treatment. <i>Materials Letters</i> , 2011, 65, 1935-1937.	1.3	28
15	Atomically-thin Schottky-like photo-electrocatalytic cross-flow membrane reactors for ultrafast remediation of persistent organic pollutants. <i>Water Research</i> , 2022, 218, 118519.	5.3	26
16	The effect of phase transformation route on the intergranular corrosion susceptibility of 2205 duplex stainless steel. <i>Materials Letters</i> , 2019, 238, 26-30.	1.3	25
17	On the pitting corrosion of 2205 duplex stainless steel produced by laser powder bed fusion additive manufacturing in the as-built and post-processed conditions. <i>Materials and Design</i> , 2021, 212, 110260.	3.3	24
18	Enhancing the repassivation ability and localised corrosion resistance of an additively manufactured duplex stainless steel by post-processing heat treatment. <i>Corrosion Science</i> , 2022, 198, 110106.	3.0	14

#	ARTICLE	IF	CITATIONS
19	A critical insight into lack-of-fusion pore structures in additively manufactured stainless steel. Additive Manufacturing, 2021, 38, 101762.	1.7	10
20	Formation of high bioactive nanoporous titania film by hybrid surface mechanical attrition treatment. Materials Letters, 2011, 65, 2295-2298.	1.3	9
21	Effect of treatment time on characterization and properties of nanocrystalline surface layer in copper induced by surface mechanical attrition treatment. Bulletin of Materials Science, 2014, 37, 1087-1094.	0.8	8
22	Optimisation of experimental conditions for pulse electrodeposition of nanostructured platinum. Surface Engineering, 2014, 30, 89-96.	1.1	7
23	Enhancement of corrosion protection of micro-arc oxidation by applying nanostructured TiO ₂ thin film via the "sol-gel" method. Anti-Corrosion Methods and Materials, 2010, 57, 75-82.	0.6	6
24	Prevention of weld-decay in austenitic stainless steel by using surface mechanical attrition treatment. International Nano Letters, 2012, 2, 1.	2.3	1