

Sankara Narayanan T S N

List of Publications by Year in descending order

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26
papers

2,436
citations

394421

19
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Deposition of strontium phosphate coatings on magnesium by hydrothermal treatment: Characteristics, corrosion resistance and bioactivity. <i>Journal of Alloys and Compounds</i> , 2018, 745, 725-743.	5.5	56
2	Protecting electrochemical degradation of pure iron using zinc phosphate coating for biodegradable implant applications. <i>New Journal of Chemistry</i> , 2018, 42, 18458-18468.	2.8	18
3	Nanoscale modification of magnesium with highly textural lamellar nanosheets towards increasing the corrosion resistance and bioactivity. <i>Surface and Coatings Technology</i> , 2016, 304, 425-437.	4.8	4
4	Characteristics of microarc oxidation coatings deposited on magnesium using alkaline and acidic electrolytes in a single stage as well as using dual electrolytes in two stages. <i>Journal of Alloys and Compounds</i> , 2016, 687, 720-732.	5.5	10
5	Incorporation of ZrO ₂ particles in the oxide layer formed on Mg by anodizing: Influence of electrolyte concentration and current modes. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 36-47.	9.4	13
6	Deposition of microarc oxidation polycaprolactone duplex coating to improve the corrosion resistance of magnesium for biodegradable implants. <i>Thin Solid Films</i> , 2014, 562, 561-567.	1.8	61
7	Strategies to improve the corrosion resistance of microarc oxidation (MAO) coated magnesium alloys for degradable implants: Prospects and challenges. <i>Progress in Materials Science</i> , 2014, 60, 1-71.	32.8	508
8	Deposition of zinc-zinc phosphate composite coatings on aluminium by cathodic electrochemical treatment. <i>Surface and Coatings Technology</i> , 2014, 258, 539-548.	4.8	14
9	Spectrophotometric analysis to monitor the corrosion behaviour of magnesium during immersion corrosion testing: A suitable alternative to pH measurement?. <i>Corrosion Science</i> , 2014, 89, 338-342.	6.6	4
10	Effect of surface mechanical attrition treatment (SMAT) on boronizing of EN8 steel. <i>Surface and Coatings Technology</i> , 2012, 213, 221-228.	4.8	43
11	Corrosion behavior of commercially pure Mg and ZM21 Mg alloy in Ringer's solution Long term evaluation by EIS. <i>Corrosion Science</i> , 2011, 53, 645-654.	6.6	226
12	Evaluation of fretting corrosion behaviour of CP-Ti for orthopaedic implant applications. <i>Tribology International</i> , 2010, 43, 1245-1252.	5.9	53
13	Fretting-corrosion mapping of CP-Ti in Ringer's solution. <i>Wear</i> , 2010, 268, 1537-1541.	3.1	13
14	Fretting corrosion behaviour of thermally oxidized CP-Ti in Ringer's solution. <i>Corrosion Science</i> , 2010, 52, 711-721.	6.6	56
15	Influence of fluoride ion on the electrochemical behaviour of Ti alloy for dental implant application. <i>Corrosion Science</i> , 2010, 52, 1721-1727.	6.6	59
16	Formation and characteristics of zinc phosphate coatings obtained by electrochemical treatment: Cathodic vs. anodic. <i>Progress in Organic Coatings</i> , 2009, 65, 229-236.	3.9	46
17	Thermal oxidation of CP-Ti: Evaluation of characteristics and corrosion resistance as a function of treatment time. <i>Materials Science and Engineering C</i> , 2009, 29, 1942-1949.	7.3	76
18	Corrosion behaviour of Ti-15Mo alloy for dental implant applications. <i>Journal of Dentistry</i> , 2008, 36, 500-507.	4.1	105

#	ARTICLE	IF	CITATIONS
19	Effect of accelerators and stabilizers on the formation and characteristics of electroless Ni-B deposits. <i>Materials Chemistry and Physics</i> , 2006, 99, 117-126.	4.0	134
20	Electrodeposited Ni-B coatings: Formation and evaluation of hardness and wear resistance. <i>Materials Chemistry and Physics</i> , 2006, 99, 300-308.	4.0	104
21	Corrosion resistance of phosphate coatings obtained by cathodic electrochemical treatment: Role of anode-graphite versus steel. <i>Progress in Organic Coatings</i> , 2006, 55, 355-362.	3.9	51
22	Evaluation of the corrosion resistance of phosphate coatings obtained by anodic electrochemical treatment. <i>Progress in Organic Coatings</i> , 2006, 57, 392-399.	3.9	29
23	Electroless Ni-B coatings: preparation and evaluation of hardness and wear resistance. <i>Surface and Coatings Technology</i> , 2005, 190, 115-121.	4.8	253
24	Electroless Ni-Co-B ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2004, 179, 56-62.	4.8	64
25	Electroless Ni-P composite coatings. <i>Journal of Applied Electrochemistry</i> , 2003, 33, 807-816.	2.9	339
26	Electroless Ni-Co-P ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2003, 172, 298-307.	4.8	97