

Sadegh Pour-Ali

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

560
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ synthesis of polyaniline-camphorsulfonate particles in an epoxy matrix for corrosion protection of mild steel in NaCl solution. <i>Corrosion Science</i> , 2014, 85, 204-214.	6.6	114
2	Corrosion protection of the reinforcing steels in chloride-laden concrete environment through epoxy/polyaniline-camphorsulfonate nanocomposite coating. <i>Corrosion Science</i> , 2015, 90, 239-247.	6.6	110
3	Surface nanocrystallization and gradient microstructural evolutions in the surface layers of 321 stainless steel alloy treated via severe shot peening. <i>Vacuum</i> , 2017, 144, 152-159.	3.5	70
4	Correlation between the surface coverage of severe shot peening and surface microstructural evolutions in AISI 321: A TEM, FE-SEM and GI-XRD study. <i>Surface and Coatings Technology</i> , 2018, 334, 461-470.	4.8	45
5	Hydroxyapatite coating containing multi-walled carbon nanotubes on AZ31 magnesium: Mechanical-electrochemical degradation in a physiological environment. <i>Ceramics International</i> , 2018, 44, 8297-8305.	4.8	37
6	New insights into the effects of surface nanocrystallization on the oxidation of 321 austenitic stainless steel in a humid oxygen environment at 1000°C. <i>Corrosion Science</i> , 2019, 147, 231-245.	6.6	31
7	High temperature oxidation behaviour of AISI 321 stainless steel with an ultrafine-grained surface at 800°C in 20 vol.% O ₂ . <i>Corrosion Science</i> , 2020, 163, 108282.	6.6	28
8	Tiazofurin drug as a new and non-toxic corrosion inhibitor for mild steel in HCl solution: Experimental and quantum chemical investigations. <i>Journal of Molecular Liquids</i> , 2022, 354, 118886.	4.9	25
9	Electrochemical corrosion behavior of Pb-Ca-Sn-Sm grid alloy in H ₂ SO ₄ solution. <i>Journal of Alloys and Compounds</i> , 2015, 652, 172-178.	5.5	21
10	Enhanced protective properties of epoxy/polyaniline-camphorsulfonate nanocomposite coating on an ultrafine-grained metallic surface. <i>Applied Surface Science</i> , 2016, 376, 121-132.	6.1	21
11	Improved corrosion inhibition of 3-amino-1,2,4-triazole on mild steel electrode in HCl solution using surface nanocrystallization. <i>International Journal of Materials Research</i> , 2016, 107, 1031-1040.	0.3	20
12	Thermal stability of nanocrystalline surface layer of AISI 321 stainless steel. <i>Vacuum</i> , 2017, 146, 297-303.	3.5	18
13	Severe shot peening of AISI 321 with 1 000 % and 1 300 % coverages: A comparative study on the surface nanocrystallization, phase transformation, sub-surface microcracks, and microhardness. <i>International Journal of Materials Research</i> , 2018, 109, 451-459.	0.3	13
14	Synergistic effect of hybrid size ZrO ₂ and electroless nickel decoration on the mechanical and high temperature oxidation properties of NiCr-ZrO ₂ composites. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156596.	5.5	4
15	Carbide Fragmentation and Dissolution in a High-Carbon High-Chromium Steel Using Hot Rolling Process: Microstructure Evolution, Wear, High-Temperature Oxidation, and Chloride-Induced Corrosion Properties. <i>Corrosion</i> , 2018, 74, 958-970.	1.1	2
16	On the material characteristics of a high carbon cast austenitic stainless steel after solution annealing followed by quenching in a CNT nanofluid. <i>International Journal of Materials Research</i> , 2019, 110, 570-576.	0.3	1