Helena Otmacic Curkovic

List of Publications by Year
in descending order

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33 papers	1,248 citations	567281 15 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	1055 citing authors

#	Article	IF	Citations
1	Copper corrosion inhibitors in near neutral media. Electrochimica Acta, 2003, 48, 985-991.	5.2	201
2	The influence of pH value on the efficiency of imidazole based corrosion inhibitors of copper. Corrosion Science, 2010, 52, 398-405.	6.6	140
3	Enhancement of corrosion protection of AISI 304 stainless steel by nanostructured solâ€“gel TiO2 films. Corrosion Science, 2013, 77, 176-184.	6.6	129
4	Protective Properties of An Inhibitor Layer Formed on Copper in Neutral Chloride Solution. Journal of Applied Electrochemistry, 2004, 34, 545-550.	2.9	99
5	Protection of bronze covered with patina by innoxious organic substances. Electrochimica Acta, 2007, 52, 7770-7779.	5.2	85
6	Synergistic inhibition of carbon steel corrosion in seawater by cerium chloride and sodium gluconate. Corrosion Science, 2015, 98, 88-97.	6.6	73
7	Comparative studies of chemical and electrochemical preparation of artificial bronze patinas and their protection by corrosion inhibitor. Electrochimica Acta, 2009, 54, 7106-7113.	5.2	71
8	Electrochemical quartz crystal microbalance and electrochemical impedance spectroscopy study of copper corrosion inhibition by imidazoles. Corrosion Science, 2009, 51, 2342-2348.	6.6	71
9	Inhibiting effect of 4-methyl-1-p-tolylimidazole to the corrosion of bronze patinated in sulphate medium. Electrochimica Acta, 2011, 56, 7491-7502.	5.2	52
10	Investigation of the corrosion protection of chemically and electrochemically formed patinas on recent bronze. Electrochimica Acta, 2010, 56, 722-731.	5.2	46
11	Modification of carbon steel surface by the TeniferÂ® process of nitrocarburizing and post-oxidation. Surface and Coatings Technology, 2006, 201, 3415-3421.	4.8	42
12	Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. Angle Orthodontist, 2014, 84, 1041-1048.	2.4	40
13	An electrochemical impedance study of the corrosion protection of artificially formed patinas on recent bronze. Electrochimica Acta, 2012, 83, 28-39.	5.2	38
14	Modification of cupronickel alloy surface with octadecylphosphonic acid selfâ€“assembled films for improved corrosion resistance. Corrosion Science, 2018, 134, 189-198.	6.6	28
15	The Influence of Thickness of Stearic Acid Self-Assembled Film on Its Protective Properties. Journal of the Electrochemical Society, 2016, 163, C937-C944.	2.9	19
16	Corrosion of orthodontic archwires in artificial saliva in the presence of Lactobacillus reuteri. Surface and Coatings Technology, 2019, 370, 44-52.	4.8	16
17	Corrosion Protection of Cupronickel Alloy by Self-Assembled Films of Fatty Acids. Journal of the Electrochemical Society, 2016, 163, C145-C155.	2.9	15
18	Corrosion Inhibition of Bronze and Its Patina Exposed to Acid Rain. Journal of the Electrochemical Society, 2013, 160, C356-C363.	2.9	14

#	Article	IF	Citations
19	Corrosion of Nickel-Titanium Orthodontic Archwires in Saliva and Oral Probiotic Supplements. Acta Stomatologica Croatica, 2017, 51, 316-325.	1.0	11
20	Bronze corrosion protection by long-chain phosphonic acids. Corrosion Science, 2022, 205, 110445.	6.6	10
21	Effect of oral antiseptics on the corrosion stability of nickelâ€titanium orthodontic alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 510-518.	1.5	9
22	Influence of intraoral application of antiseptics and fluorides during orthodontic treatment on corrosion and mechanical characteristics of nickel-titanium alloy in orthodontic appliances. Angle Orthodontist, 2021, 91, 528-537.	2.4	5
23	An Electrochemical and Spectroscopic Study of Surfaces on Bronze Sculptures Exposed to Urban Environment. Materials, 2021, 14, 2063.	2.9	5
24	Corrosion Behavior of Amorphous Solâ€“Gel TiO2â€“ZrO2 Nano Thickness Film on Stainless Steel. Coatings, 2021, 11, 988.	2.6	5
25	Corrosion Protection by Octadecylphosphonic Acid in Flow Conditions. Chemical and Biochemical Engineering Quarterly, 2019, 33, 395-403.	0.9	5
26	The Effect of Corrosion Conditions on Aging of Artificial Patina on Three Bronzes. Coatings, 2022, 12, 936.	2.6	5
27	Protective films of stearic and octadecylphosphonic acid formed by spray coating. Journal of Electrochemical Science and Engineering, 2020, 10, 161-175.	3.5	4
28	Optimizing the preparation procedure of self-assembled monolayer of stearic acid for protection of cupronickel alloy. Acta Chimica Slovenica, 2014, 61, 328-39.	0.6	4
29	Two Imidazole Based Corrosion Inhibitors for Protection of Bronze from Urban Atmospheres. Croatica Chemica Acta, 2018, 91, .	0.4	3
30	Self-Assembling Monolayers of Stearic Acid in Protection of Steel. Croatica Chemica Acta, 2018, 91, .	0.4	2
31	Benzimidazole Derivatives as Copper Alloy Corrosion Inhibitors. Croatica Chemica Acta, 2018, 91, .	0.4	1
32	Bronze Protection in Seawater. ECS Transactions, 2010, 25, 35-48.	0.5	0
33	Electrochemical Characterization of Bronze Exposed to Outdoor Atmosphere. Chemical and Biochemical Engineering Quarterly, 2021, , .	0.9	0