

# 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	Bronze corrosion protection by long-chain phosphonic acids. <i>Corrosion Science</i> , 2022, 205, 110445.	6.6	10
2	The Effect of Corrosion Conditions on Aging of Artificial Patina on Three Bronzes. <i>Coatings</i> , 2022, 12, 936.	2.6	5
3	Influence of intraoral application of antiseptics and fluorides during orthodontic treatment on corrosion and mechanical characteristics of nickel-titanium alloy in orthodontic appliances. <i>Angle Orthodontist</i> , 2021, 91, 528-537.	2.4	5
4	An Electrochemical and Spectroscopic Study of Surfaces on Bronze Sculptures Exposed to Urban Environment. <i>Materials</i> , 2021, 14, 2063.	2.9	5
5	Electrochemical Characterization of Bronze Exposed to Outdoor Atmosphere. <i>Chemical and Biochemical Engineering Quarterly</i> , 2021, , .	0.9	0
6	Corrosion Behavior of Amorphous Solâ€“Gel TiO <sub>2</sub> â€“ZrO <sub>2</sub> Nano Thickness Film on Stainless Steel. <i>Coatings</i> , 2021, 11, 988.	2.6	5
7	Protective films of stearic and octadecylphosphonic acid formed by spray coating. <i>Journal of Electrochemical Science and Engineering</i> , 2020, 10, 161-175.	3.5	4
8	Corrosion of orthodontic archwires in artificial saliva in the presence of <i>Lactobacillus reuteri</i> . <i>Surface and Coatings Technology</i> , 2019, 370, 44-52.	4.8	16
9	Corrosion Protection by Octadecylphosphonic Acid in Flow Conditions. <i>Chemical and Biochemical Engineering Quarterly</i> , 2019, 33, 395-403.	0.9	5
10	Effect of oral antiseptics on the corrosion stability of nickelâ€“titanium orthodontic alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 510-518.	1.5	9
11	Modification of cupronickel alloy surface with octadecylphosphonic acid selfâ€“assembled films for improved corrosion resistance. <i>Corrosion Science</i> , 2018, 134, 189-198.	6.6	28
12	Two Imidazole Based Corrosion Inhibitors for Protection of Bronze from Urban Atmospheres. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	3
13	Benzimidazole Derivatives as Copper Alloy Corrosion Inhibitors. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	1
14	Self-Assembling Monolayers of Stearic Acid in Protection of Steel. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	2
15	Corrosion of Nickel-Titanium Orthodontic Archwires in Saliva and Oral Probiotic Supplements. <i>Acta Stomatologica Croatica</i> , 2017, 51, 316-325.	1.0	11
16	The Influence of Thickness of Stearic Acid Self-Assembled Film on Its Protective Properties. <i>Journal of the Electrochemical Society</i> , 2016, 163, C937-C944.	2.9	19
17	Corrosion Protection of Cupronickel Alloy by Self-Assembled Films of Fatty Acids. <i>Journal of the Electrochemical Society</i> , 2016, 163, C145-C155.	2.9	15
18	Synergistic inhibition of carbon steel corrosion in seawater by cerium chloride and sodium gluconate. <i>Corrosion Science</i> , 2015, 98, 88-97.	6.6	73

#	ARTICLE	IF	CITATIONS
19	Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. <i>Angle Orthodontist</i> , 2014, 84, 1041-1048.	2.4	40
20	Optimizing the preparation procedure of self-assembled monolayer of stearic acid for protection of cupronickel alloy. <i>Acta Chimica Slovenica</i> , 2014, 61, 328-39.	0.6	4
21	Enhancement of corrosion protection of AISI 304 stainless steel by nanostructured sol-gel TiO <sub>2</sub> films. <i>Corrosion Science</i> , 2013, 77, 176-184.	6.6	129
22	Corrosion Inhibition of Bronze and Its Patina Exposed to Acid Rain. <i>Journal of the Electrochemical Society</i> , 2013, 160, C356-C363.	2.9	14
23	An electrochemical impedance study of the corrosion protection of artificially formed patinas on recent bronze. <i>Electrochimica Acta</i> , 2012, 83, 28-39.	5.2	38
24	Inhibiting effect of 4-methyl-1-p-tolylimidazole to the corrosion of bronze patinated in sulphate medium. <i>Electrochimica Acta</i> , 2011, 56, 7491-7502.	5.2	52
25	Bronze Protection in Seawater. <i>ECS Transactions</i> , 2010, 25, 35-48.	0.5	0
26	Investigation of the corrosion protection of chemically and electrochemically formed patinas on recent bronze. <i>Electrochimica Acta</i> , 2010, 56, 722-731.	5.2	46
27	The influence of pH value on the efficiency of imidazole based corrosion inhibitors of copper. <i>Corrosion Science</i> , 2010, 52, 398-405.	6.6	140
28	Comparative studies of chemical and electrochemical preparation of artificial bronze patinas and their protection by corrosion inhibitor. <i>Electrochimica Acta</i> , 2009, 54, 7106-7113.	5.2	71
29	Electrochemical quartz crystal microbalance and electrochemical impedance spectroscopy study of copper corrosion inhibition by imidazoles. <i>Corrosion Science</i> , 2009, 51, 2342-2348.	6.6	71
30	Protection of bronze covered with patina by innocuous organic substances. <i>Electrochimica Acta</i> , 2007, 52, 7770-7779.	5.2	85
31	Modification of carbon steel surface by the Tenifer® process of nitrocarburizing and post-oxidation. <i>Surface and Coatings Technology</i> , 2006, 201, 3415-3421.	4.8	42
32	Protective Properties of An Inhibitor Layer Formed on Copper in Neutral Chloride Solution. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 545-550.	2.9	99
33	Copper corrosion inhibitors in near neutral media. <i>Electrochimica Acta</i> , 2003, 48, 985-991.	5.2	201