

# Marcel Mandel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8815212/publications.pdf>

Version: 2024-02-01

11  
papers

103  
citations

1684188

5  
h-index

1720034

7  
g-index

11  
all docs

11  
docs citations

11  
times ranked

94  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of pitting sensitivity of the aluminium alloy EN AW-6060-T6 in a carbon-fibre reinforced plastic/aluminium rivet joint by finite element simulation of the galvanic corrosion process. Corrosion Science, 2013, 73, 172-180.	6.6	59
2	Sol-gel derived hydroxyapatite coating on titanium implants: Optimization of sol-gel process and engineering the interface. Journal of Materials Research, 2022, 37, 2558-2570.	2.6	17
3	On the Influence of Microstructure on the Corrosion Behavior of Fe-Mn-Al-Ni Shape Memory Alloy in 5.0%wt% NaCl Solution. Advanced Engineering Materials, 2021, 23, 2000865.	3.5	9
4	Combination of Electrochemical Noise and Acoustic Emission for Analysis of the Pitting Corrosion Behavior of an Austenitic Stainless Cast Steel. Advanced Engineering Materials, 2019, 21, 1800682.	3.5	8
5	The Influence of Plastic Deformation on the Corrosion Behavior of a Cast High-Alloy CrMnNi TRIP Steel. Steel Research International, 2016, 87, 1105-1110.	1.8	5
6	Investigation and modelling of edge corrosion of e-coated galvanized steel with respect to the spatial edge orientation. Materials and Corrosion - Werkstoffe Und Korrosion, 2022, 73, 55-67.	1.5	3
7	Study of an $Mg_{90}Y_7Zn_3$ alloy (WZ73) in sodium chloride solution - An analysis by correlated polarization and climate chamber testing. Engineering Reports, 2022, 4, e12372.	1.7	1
8	Effect of N <sub>2</sub> -H <sub>2</sub> Ratio during Conventional Plasma Nitriding of Intermetallic FeAl40 Alloy on Electrochemical Corrosion Parameters in Sulphuric Acid. Metals, 2022, 12, 649.	2.3	1
9	Effect of nitriding pre-treatment on the tribocorrosion behavior of physical vapor deposition-coated tool steel. Engineering Reports, 2022, 4, e12382.	1.7	0
10	The Corrosion Behavior of High-Alloy CrMnNi Steels - A Research Work on Electrochemical Degradation in Salt- and Acid-Containing Environments. Springer Series in Materials Science, 2020, , 557-584.	0.6	0
11	Long-term low-temperature hot corrosion of PTA welded RenÃ© 41 superalloy under marine-like conditions. Materials and Corrosion - Werkstoffe Und Korrosion, 0, , .	1.5	0