

# Stefan Krakowiak

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

692  
citations

687363

13  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carboxylic acids as efficient corrosion inhibitors of aluminium alloys in alkaline media. <i>Electrochimica Acta</i> , 2018, 289, 175-192.	5.2	101
2	Selection of measurement frequency in Mott's Schottky analysis of passive layer on nickel. <i>Electrochimica Acta</i> , 2006, 51, 2204-2208.	5.2	77
3	Investigation of pitting corrosion of stainless steel by means of acoustic emission and potentiodynamic methods. <i>Corrosion Science</i> , 2003, 45, 1747-1756.	6.6	68
4	Evaluation of citric acid corrosion inhibition efficiency and passivation kinetics for aluminium alloys in alkaline media by means of dynamic impedance monitoring. <i>Electrochimica Acta</i> , 2017, 258, 1463-1475.	5.2	63
5	Evaluation of pitting corrosion by means of dynamic electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2004, 49, 2909-2918.	5.2	57
6	Understanding the origin of high corrosion inhibition efficiency of bee products towards aluminium alloys in alkaline environments. <i>Electrochimica Acta</i> , 2019, 304, 263-274.	5.2	57
7	Investigation of the electrochemical behaviour of AA1050 aluminium alloy in aqueous alkaline solutions using Dynamic Electrochemical Impedance Spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2016, 778, 126-136.	3.8	55
8	Impedance investigation of passive 304 stainless steel in the pit pre-initiation state. <i>Electrochimica Acta</i> , 2005, 50, 2699-2704.	5.2	42
9	The time dependence of pit creation impedance spectra. <i>Electrochemistry Communications</i> , 2004, 6, 860-866.	4.7	25
10	Instantaneous Impedance Monitoring of Aluminum Alloy 7075 Corrosion in Borate Buffer with Admixed Chloride Ions. <i>Corrosion</i> , 2015, 71, 828-838.	1.1	22
11	Conducting coatings as anodes in cathodic protection. <i>Progress in Organic Coatings</i> , 2003, 46, 191-196.	3.9	17
12	Impedance measurements of coating properties on bridge structures. <i>Progress in Organic Coatings</i> , 2003, 46, 216-219.	3.9	15
13	Pitting corrosion and stress-corrosion cracking of buffer tanks in a brewery. <i>Engineering Failure Analysis</i> , 2013, 29, 75-82.	4.0	13
14	Durability evaluation of Ni-Cr-Mo super alloys in a simulated scrubbed flue gas environment. <i>Anti-Corrosion Methods and Materials</i> , 1999, 46, 19-22.	1.5	12
15	Electrochemical and acoustic emission studies of aluminum pitting corrosion. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1653-1657.	2.5	12
16	Electrolytic corrosion of water pipeline system in the remote distance from stray currents—Case study. <i>Case Studies in Construction Materials</i> , 2016, 4, 116-124.	1.7	10
17	The current threshold value in potentiodynamic determination of the breakdown potential. <i>Electrochimica Acta</i> , 1997, 42, 2559-2562.	5.2	7
18	Degradation of protective coatings in steel chimneys of flue gas desulfurisation systems. <i>Progress in Organic Coatings</i> , 2018, 117, 141-145.	3.9	6

#	ARTICLE	IF	CITATIONS
19	The effect of the temperature change rate on determination of the critical pitting temperature of stainless steels. <i>Anti-Corrosion Methods and Materials</i> , 2002, 49, 105-110.	1.5	5
20	Research on causes of corrosion in the municipal water supply system. <i>Case Studies in Construction Materials</i> , 2016, 4, 108-115.	1.7	5
21	Critical analysis of laboratory measurements and monitoring system of water-pipe network corrosion-case study.. <i>Case Studies in Construction Materials</i> , 2016, 4, 102-107.	1.7	5
22	The impedance method of monitoring the degradation of rubber linings in applications where progressive deterioration is the predominant failure mechanism. <i>Anti-Corrosion Methods and Materials</i> , 2001, 48, 358-363.	1.5	4
23	Corrosion-erosion damage of heat exchanger tubes by desalted crude oil flowing at shell side. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2003, 54, 181-187.	1.5	4
24	Effect of Thermal Shock During Legionella Bacteria Removal on the Corrosion Properties of Zinc-Coated Steel Pipes. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2711-2719.	2.5	3
25	Inspection of rubber linings operating in flue gas desulphurisation units. <i>Progress in Organic Coatings</i> , 2003, 46, 211-215.	3.9	2
26	Cyclic analysis of thermal impedance of a passive layer of aluminium in a neutral borate buffer solution. <i>Anti-Corrosion Methods and Materials</i> , 2012, 59, 285-290.	1.5	2
27	Analysis of the Possibility of Using New Types of Protective Coatings and Abrasion-Resistant Linings under the Operating Conditions of the Spiral Classifier at KGHM Polska Miedź S.A. <i>Ore Concentration Plant. Coatings</i> , 2021, 11, 1138.	2.6	2
28	Assessment of protective properties of rubber lining in absorbers of flue gas desulphurization systems. <i>Progress in Organic Coatings</i> , 2015, 78, 220-224.	3.9	1
29	Complex Corrosion Monitoring System for Crude Distillation Unit in Form of Neutral Network. , 2018, , ,		0