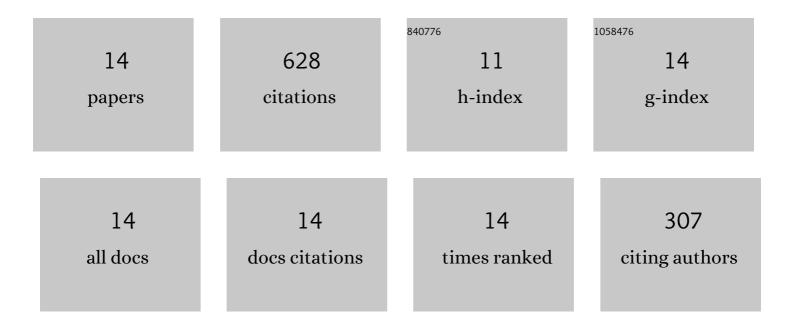
Axel Homborg

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1792130/publications.pdf Version: 2024-02-01



AVEL HOMBORC

#	Article	IF	CITATIONS
1	Time–frequency methods for trend removal in electrochemical noise data. Electrochimica Acta, 2012, 70, 199-209.	5.2	97
2	Novel time–frequency characterization of electrochemical noise data in corrosion studies using Hilbert spectra. Corrosion Science, 2013, 66, 97-110.	6.6	88
3	A Novel Approach for the Evaluation of Under Deposit Corrosion in Marine Environments Using Combined Analysis by Electrochemical Impedance Spectroscopy and Electrochemical Noise. Electrochimica Acta, 2016, 217, 226-241.	5.2	74
4	Transient analysis through Hilbert spectra of electrochemical noise signals for the identification of localized corrosion of stainless steel. Electrochimica Acta, 2013, 104, 84-93.	5.2	66
5	A Critical Appraisal of the Interpretation of Electrochemical Noise for Corrosion Studies. Corrosion, 2014, 70, 971-987.	1.1	62
6	The relationship between spectral and wavelet techniques for noise analysis. Electrochimica Acta, 2016, 202, 277-287.	5.2	50
7	An integrated approach in the time, frequency and time-frequency domain for the identification of corrosion using electrochemical noise. Electrochimica Acta, 2016, 222, 627-640.	5.2	49
8	Detection of microbiologically influenced corrosion by electrochemical noise transients. Electrochimica Acta, 2014, 136, 223-232.	5.2	39
9	Application of transient analysis using Hilbert spectra of electrochemical noise to the identification of corrosion inhibition. Electrochimica Acta, 2014, 116, 355-365.	5.2	38
10	The effect of time evolution and timing of the electrochemical data recording of corrosion inhibitor protection of hot-dip galvanized steel. Corrosion Science, 2020, 173, 108780.	6.6	26
11	Interpreting Electrochemical Noise and Monitoring Local Corrosion by Means of Highly Resolved Spatiotemporal Real-Time Optics. Journal of the Electrochemical Society, 2019, 166, C3275-C3283.	2.9	19
12	Evaluation of the formation and protectiveness of a lithium-based conversion layer using electrochemical noise. Electrochimica Acta, 2022, 426, 140733.	5.2	8
13	Wavelet Transform Modulus Maxima and Holder Exponents Combined with Transient Detection for the Differentiation of Pitting Corrosion Using Electrochemical Noise. Corrosion, 2018, 74, 1001-1010.	1.1	6
14	An integral non-intrusive electrochemical and in-situ optical technique for the study of the effectiveness of corrosion inhibition. Electrochimica Acta, 2022, 403, 139619.	5.2	6