

Iris De Graeve

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8852165/publications.pdf>

Version: 2024-02-01

34
papers

638
citations

643344

15
h-index

651938

25
g-index

34
all docs

34
docs citations

34
times ranked

566
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hot-Stamping Effect on the Corrosion Properties of the 22MnB5 Steel Coated with Hot-Dip Aluminum-Silicon Assessed by a Salt Spray Test and Raman Spectroscopy. <i>Corrosion</i> , 2022, 78, 339-349.	0.5	0
2	Corrosion performance of powder-coated aluminum profiles with increased trace element content. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2022, 73, 1575-1585.	0.8	4
3	Growth kinetics and passive behavior of the native oxide film on additively manufactured AlSi10Mg versus the conventional cast alloy. <i>Corrosion Science</i> , 2022, 203, 110352.	3.0	3
4	Effect of Homogenization Temperature and Soaking Time on the Microstructure and Corrosion Properties of a Twin Roll Casted AA3003. <i>Corrosion</i> , 2021, 77, 991-1002.	0.5	1
5	On the Zr Electrochemical Conversion of Additively Manufactured AlSi10Mg: The Role of the Microstructure. <i>Journal of the Electrochemical Society</i> , 2021, 168, 121502.	1.3	3
6	Effect of simulated brazing on the microstructure and corrosion behavior of twin roll cast AA3003. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 60-69.	0.8	4
7	Humidity Robustness of Plasma-Coated PCBs. <i>Journal of Electronic Materials</i> , 2020, 49, 848-860.	1.0	3
8	Corrosion and Corrosion Protection of Additively Manufactured Aluminium Alloys—A Critical Review. <i>Materials</i> , 2020, 13, 4804.	1.3	30
9	On the Impact of Si Content and Porosity Artifacts on the Anodizing Behavior of Additive Manufactured Al-Si Alloys. <i>Journal of the Electrochemical Society</i> , 2019, 166, C530-C537.	1.3	15
10	Effect of Zn on the grain boundary precipitates and resulting alkaline etching of recycled Al-Mg-Si-Cu alloys. <i>Journal of Alloys and Compounds</i> , 2019, 794, 435-442.	2.8	20
11	Study of the hydrogen uptake in deformed steel using the microcapillary cell technique. <i>Corrosion Science</i> , 2019, 155, 55-66.	3.0	16
12	Effect of the shear layer on the etching behavior of 6060 aluminum extrusion alloys. <i>Surface and Interface Analysis</i> , 2019, 51, 1251-1259.	0.8	2
13	Effect of Heat Treatments on the Anodizing Behavior of Additive Manufactured AlSi10Mg. <i>Journal of the Electrochemical Society</i> , 2019, 166, C42-C48.	1.3	13
14	Influence of heat treatments on the corrosion mechanism of additive manufactured AlSi10Mg. <i>Corrosion Science</i> , 2019, 147, 406-415.	3.0	69
15	Development of novel surface treatments for corrosion protection of aluminum: self-repairing coatings. <i>Corrosion Reviews</i> , 2018, 36, 55-64.	1.0	12
16	Influence of Si Content on the Microstructure and Corrosion Behavior of Additive Manufactured Al-Si Alloys. <i>Journal of the Electrochemical Society</i> , 2018, 165, C926-C932.	1.3	38
17	FeS Corrosion Products Formation and Hydrogen Uptake in a Sour Environment for Quenched & Tempered Steel. <i>Metals</i> , 2018, 8, 62.	1.0	12
18	Comparison of Electrochemical and Thermal Evaluation of Hydrogen Uptake in Steel Alloys Having Different Microstructures. <i>Journal of the Electrochemical Society</i> , 2018, 165, C787-C793.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Role of Si in the Anodizing Behavior of Al-Si Alloys: Additive Manufactured and Cast Al-Si10-Mg. Journal of the Electrochemical Society, 2018, 165, C532-C541.	1.3	18
20	Influence of Plastic Deformation on Dissolution Corrosion of Type 316L Austenitic Stainless Steel in Static, Oxygen-Poor Liquid Lead-Bismuth Eutectic at 500°C. Corrosion, 2017, 73, 1078-1090.	0.5	11
21	Local Corrosion Behavior of Additive Manufactured AlSiMg Alloy Assessed by SEM and SKPFM. Journal of the Electrochemical Society, 2017, 164, C27-C35.	1.3	95
22	Development of an Electrochemical Procedure for Monitoring Hydrogen Sorption/Desorption in Steel. Journal of the Electrochemical Society, 2017, 164, C747-C757.	1.3	17
23	Galvanostatic Anodizing of Additive Manufactured Al-Si10-Mg Alloy. Journal of the Electrochemical Society, 2017, 164, C1027-C1034.	1.3	30
24	Fatigue Performance of Ti-6Al-4V Additively Manufactured Specimens with Integrated Capillaries of an Embedded Structural Health Monitoring System. Materials, 2017, 10, 993.	1.3	16
25	Deposition Kinetics and Thermal Properties of Atmospheric Plasma Deposited Methacrylate-Like Films. Plasma Processes and Polymers, 2016, 13, 521-533.	1.6	7
26	Thermal Properties of Plasma Deposited Methyl Methacrylate Films in an Atmospheric DBD Reactor. Plasma Processes and Polymers, 2015, 12, 260-270.	1.6	7
27	Evaluation of the Yasuda parameter for the atmospheric plasma deposition of allyl methacrylate. RSC Advances, 2015, 5, 27449-27457.	1.7	35
28	About the Influence of Double Bonds in the APPECVD of Acrylate-Like Precursors: A Mass Spectrometry Study of the Plasma Phase. Plasma Processes and Polymers, 2014, 11, 335-344.	1.6	18
29	In Situ Scanning Tunneling Microscopy Study of Grain-Dependent Corrosion on Microcrystalline Copper. Journal of Physical Chemistry C, 2014, 118, 25421-25428.	1.5	36
30	Plasma Polymerization of a Saturated Branched Hydrocarbon. The Case of Heptamethylnonane. Plasma Processes and Polymers, 2013, 10, 51-59.	1.6	15
31	The Impact of Double Bonds in the APPECVD of Acrylate-Like Precursors. Plasma Processes and Polymers, 2013, 10, 857-863.	1.6	27
32	Surface Characterization of Atmospheric Pressure Plasma-Deposited Allyl Methacrylate and Acrylic Acid Based Coatings. Plasma Processes and Polymers, 2013, 10, 564-571.	1.6	27
33	Deposition and Characterisation of Plasma Polymerised Allyl Methacrylate Based Coatings. Plasma Processes and Polymers, 2012, 9, 799-807.	1.6	21
34	The road to intelligent coloured coatings. Surface Engineering, 2011, 27, 719-723.	1.1	3